

STATE OF CALIFORNIA
PESTICIDE EPISODE INVESTIGATION REPORT

DEPARTMENT OF PESTICIDE REGULATION
 ENFORCEMENT BRANCH

PR-ENF-127 (REV. 8/07) PAGE 1 OF 1

A. GENERAL INFORMATION

RECEIVED BY Dan Hobby	RECEIVED FROM	REPRESENTING Dominguez Farms	DATE/TIME RECEIVED June 26, 2019 4:30	<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	PERSON NOTIFIED DFA	DATE
TYPE OF EPISODE <input checked="" type="checkbox"/> HUMAN EFFECTS # 15 <input type="checkbox"/> PROPERTY LOSS \$		PRIORITY INVESTIGATION <input checked="" type="checkbox"/> YES # 46-MON-19 <input type="checkbox"/> NO		ENVIRONMENTAL EFFECTS <input type="checkbox"/> ENVIRONMENTAL EFFECTS <input type="checkbox"/> OTHER		
OTHER I.D. NO.	COUNTY OF OCCURRENCE MONTEREY	DATE OF OCCURRENCE MO 06 DAY 26 YR 2019	TIME 7:00	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	DFG	
EPISODE LOCATION Christensen and Giannini's West Garlinger Front Ranch					DIR	
					EPA	
					CAC	
					OTHER	

B. INJURED/COMPLAINANT INFORMATION

COMPLAINT SIGNED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	DOCTOR VISITED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>	EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input type="checkbox"/> Serious <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Exposed Only	ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input type="checkbox"/> Applicator <input checked="" type="checkbox"/> Field worker* <input type="checkbox"/> Public* *Explain Pinching Broccoli	
NAME	AGE 24	SEX F	WHS NUMBER	WORKDAYS LOST 1
ADDRESS (Number and Street, City, State, ZIP Code)				PHONE
MEDICAL FACILITY NAME Natividad Hospital	<input checked="" type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY	HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DATE/TIME ADMITTED	DATE/TIME DISCHARGED
PHYSICIAN Valerie Vigil	ADDRESS (Number and Street, City, State, ZIP Code) 1441 Constitution Blvd, Salinas, CA 93906			PHONE 831-755-4111
SIGNS/SYMPTOMS EXPERIENCED Itchy Skin, Dizziness, Nausea, Weak				
EMPLOYER Dominguez Farms	ADDRESS (Number and Street, City, State, ZIP Code) 818 OAK AVEGREENFIELD CA 93927			PHONE (831)674-1825

PROTECTIVE MEASURES USED

EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None	HANDS <input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other <input type="checkbox"/> None	INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None	OTHER <input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other	ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other <input type="checkbox"/> None
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C. ENVIRONMENTAL OR PROPERTY DAMAGE

DESCRIPTION OF DAMAGE n/a	AMOUNT/VALUE
OWNER	ADDRESS (Number and Street, City, State, ZIP Code)
	PHONE

D. ALLEGED RESPONDENT(S)

<input type="checkbox"/> PCA	<input type="checkbox"/> DEALER	<input checked="" type="checkbox"/> PILOT	<input type="checkbox"/> GROWER	<input type="checkbox"/> AGENCY	<input type="checkbox"/> OTHER
NAME	PHONE 831-595-4248	LICENSE/PERMIT NUMBER JPC 76916	RECOMMENDATION MADE <input checked="" type="checkbox"/> YES # 2246708.2 <input type="checkbox"/> NO		
ADDRESS (Number and Street)	EMPLOYER'S NAME Wilbur-Ellis: Salinas		PHONE		
City, State, ZIP Code	EMPLOYER'S ADDRESS (Number and Street) 1427 Abbott Street				
*EXPLAIN	City, State, ZIP Code Salinas, CA 93901				

PESTICIDE NAME/MANUFACTURER	EPA REGISTRATION NUMBER	CATEGORY	DOSE/DILUTION/VOLUME	TREATMENT DATE	COMMODITY/SITE TREATED
Zampro Fungicide	7969-302-AA	Caution	4 Pt/Ac	6-26-19	spinach
Trigard	66222-272-AA	Caution	2.66 Oz/Ac	6-26-19	spinach

EQUIPMENT TYPE/MAKE/MODEL/DESCRIPTION

helicopter

SUMMARIZE THE EPISODE INCLUDING A DETAILED DESCRIPTION OF EVIDENCE TAKEN (Use Pesticide Episode Investigation Supplemental Report form PR-ENF-127A if additional space is needed)

See report.

REPORT PREPARED BY (NAME/TITLE) Jose Guzman/Ag Inspector Biologist	DATE PREPARED 2/25/2020	REPORT REVIEWED/APPROVED BY (NAME/TITLE) Ken Allen/Deputy Ag Commissioner	DATE APPROVED 2/27/2020
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Investigation Case File Export

Investigation Detail	
Case Number:	
Investigation Name:	46-MON-19: Dominguez Farms
Investigator:	Guzman, Jose
Investigating County:	Monterey
Incident County:	Monterey
Incident Date:	6/26/2019
Incident Time:	
Episode Type:	
Status:	Closed
Priority:	Yes
Priority ID:	46-MON-19
Opened Date:	6/26/2019
Last Update:	3/19/2020

Narrative & Location
<p>Narrative:</p> <p>Investigation submitted for review. Casey gave Jose some suggestions. He will make changes and inform Ken when to take a look at in shared file.</p> <p>Crew saw aerial application approximately 600 feet from their location. Several developed symptoms, with four seeking medical attention. Approximately 16 - 17 actually experienced symptoms. Did not notify supervisor.</p>
<p>Location:</p>

Respondents	
DOMINGUEZ FARMS	
Permit Number:	
Permit Effective:	
Permit Expires:	
License Type:	FLC
License Number:	FLC000181661
License Categories:	

Respondents	
License Effective:	1/8/2019
License Expires:	1/6/2020
Mailing Address:	
Physical Address:	

Violations	
3CCR 6766: Emergency medical care.	
Investigation Remarks:	
3CCR 6764: Fieldworker training.	
Investigation Remarks:	

Attachments	
1 - 46-MON-19 Witness List.pdf	
Final Report:	Yes
Remarks:	
2 - West Garlinger Front Ranch Block ID Map and Permit Map.pdf	
Final Report:	Yes
Remarks:	
3 - Wilbur-Ellis Salinas PURs.pdf	
Final Report:	Yes
Remarks:	
4 - Crew Roster Sheets.pdf	
Final Report:	Yes
Remarks:	
5 - Map Showing Crew Location.pdf	
Final Report:	Yes
Remarks:	
6 - Wilbur Ellis - Salinas Completion Records.pdf	
Final Report:	Yes
Remarks:	

Attachments	
7 - Block ID Map Showing Mix Load Site.pdf	
Final Report:	Yes
Remarks:	
8 - Medical Records.pdf	
Final Report:	Yes
Remarks:	
9 - Medical Records.pdf	
Final Report:	Yes
Remarks:	
10 - Medical Records.pdf	
Final Report:	Yes
Remarks:	
11 - Training Records.pdf	
Final Report:	Yes
Remarks:	
12 - Previous 10-Day Work History.pdf	
Final Report:	Yes
Remarks:	
13 - Block 32 PUR.pdf	
Final Report:	Yes
Remarks:	
14 - CIMIS 214 Report 6-26-19.pdf	
Final Report:	Yes
Remarks:	
15 - Zampro Fungicide Label.pdf	
Final Report:	Yes
Remarks:	
16 - Trigard Insecticide Label.pdf	
Final Report:	Yes
Remarks:	
17 - Symptoms Chart.pdf	
Final Report:	Yes

Attachments	
Remarks:	
18 - GIS Map Created by Gomes.pdf	
Final Report:	Yes
Remarks:	
46-MON-19 Report Final.pdf	
Final Report:	Yes
Remarks:	
Scanned 127 and 127bs.pdf	
Final Report:	Yes
Remarks:	

Activity Log	
3/19/2020 - Allen, Ken	
Action:	status
Remarks:	Status changed from "In Progress" to "Closed".
3/19/2020 - Allen, Ken	
Action:	status
Remarks:	Status changed from "Closed" to "In Progress".
3/19/2020 - Allen, Ken	
Action:	status
Remarks:	Status changed from "In Progress" to "In Review".
3/19/2020 - Allen, Ken	
Action:	status
Remarks:	Status changed from "In Review" to "Closed".
9/10/2019 - Allen, Ken	
Action:	created
Remarks:	Investigation Created.

PESTICIDE EPISODE SUPPLEMENTAL REPORT

DPR-ENF-116 (Est. 11/15)

Page 1 of 2

Note: This form may be used with forms DPR-ENF-055, DPR-ENF-114, & DPR-ENF-115

PAGE 1 OF 1

NO.	NAME OF PERSON(S) <i>(First name and Last Name)</i>	ACTIVITY
1.		Thinning Broccolini
2.		Thinning Broccolini
3.		Thinning Broccolini
4.		Thinning Broccolini
5.		Thinning Broccolini
6.		Thinning Broccolini
7.		Thinning Broccolini
8.		Thinning Broccolini
9.		Thinning Broccolini
10.		Thinning Broccolini
11.		Thinning Broccolini
12.		Thinning Broccolini
13.		Thinning Broccolini
14.		Thinning Broccolini
15.		Thinning Broccolini
16.		Thinning Broccolini
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PESTICIDE EPISODE SUPPLEMENTAL REPORT

DPR-ENF-116 (Est. 11/15)

Page 1 of 2

Note: This form may be used with forms DPR-ENF-055, DPR-ENF-114, & DPR-ENF-115

PAGE 1 OF 1

NO.	NAME OF PERSON(S) <i>(First name and Last Name)</i>	ACTIVITY
1.		Thinning Broccoli
2.		Thinning Broccoli
3.		Thinning Broccoli
4.		Thinning Broccoli
5.		Thinning Broccoli
6.		Thinning Broccoli
7.		Thinning Broccoli
8.		Thinning Broccoli
9.		Thinning Broccoli
10.		Thinning Broccoli
11.		Thinning Broccoli
12.		Thinning Broccoli
13.		Thinning Broccoli
14.		Thinning Broccoli
15.		Thinning Broccoli
16.		Thinning Broccoli
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35.		

STATE OF CALIFORNIA
EPISODE WITNESS/INJURED/COMPLAINANT REPORT

DEPARTMENT OF PESTICIDE REGULATION
 ENFORCEMENT BRANCH

PR-ENF-127B (REV. 8/07) PAGE 1 OF 1

PAGE 2 OF 6

PRIORITY INVESTIGATION <input checked="" type="checkbox"/> YES # 46-MON-19 <input type="checkbox"/> NO	OTHER I.D. NO.	COUNTY OF OCCURRENCE MONTEREY	DATE OF OCCURRENCE MO 06 DAY 26 YR 2019
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COMPLAINANT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	WAS DOCTOR VISITED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only	ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Other* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Explain pinching broccoli
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WITNESS/INJURED/COMPLAINANT	NAME	AGE	SEX	WHS NO.	NO. OF WORKDAYS LOST	
	ADDRESS	CITY		ZIP CODE	PHONE	
	MEDICAL FACILITY NAME	<input type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY		<input type="checkbox"/> HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
	PHYSICIAN	ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPTOMS EXPERIENCED DIZZINESS					
	EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825

PROTECTIVE MEASURES USED	EYES	HANDS	INHALATION	OTHER	ENGINEERING CONTROLS
	<input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None	<input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None	<input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other _____	<input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None

COMPLAINANT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	WAS DOCTOR VISITED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only	ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Other* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Explain pinching broccoli
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WITNESS/INJURED/COMPLAINANT	NAME	AGE	SEX	WHS NO.	NO. OF WORKDAYS LOST	
	ADDRESS	CITY		ZIP CODE	PHONE	
	MEDICAL FACILITY NAME	<input checked="" type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY		<input type="checkbox"/> HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
	PHYSICIAN	ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPTOMS EXPERIENCED SWOLLEN EYES, NAUSEA, EYE IRRITATION					
	EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825

PROTECTIVE MEASURES USED	EYES	HANDS	INHALATION	OTHER	ENGINEERING CONTROLS
	<input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None	<input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None	<input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other _____	<input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None

COMPLAINANT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	WAS DOCTOR VISITED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only	ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Other* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Explain see above
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WITNESS/INJURED/COMPLAINANT	NAME	AGE	SEX	WHS NO.	NO. OF WORKDAYS LOST	
	ADDRESS	CITY		ZIP CODE	PHONE	
	MEDICAL FACILITY NAME	<input type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY		<input type="checkbox"/> HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
	PHYSICIAN	ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPTOMS EXPERIENCED NAUSEA					
	EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825

PROTECTIVE MEASURES USED	EYES	HANDS	INHALATION	OTHER	ENGINEERING CONTROLS
	<input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None	<input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None	<input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other _____	<input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enc. Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None

COMMENTS

REPORT PREPARED BY (NAME/TITLE) Jose Guzman/Ag Inspector Biologist	DATE PREPARED 2/24/2020	REPORT REVIEWED/APPROVED BY (NAME/TITLE) Ken Allen/Deputy Ag Commissioner	DATE REVIEWED/APPROVED 2/27/2020
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STATE OF CALIFORNIA
EPISODE WITNESS/INJURED/COMPLAINANT REPORT

DEPARTMENT OF PESTICIDE REGULATION
 ENFORCEMENT BRANCH

PR-ENF-127B (REV. 8/07) PAGE 1 OF 1

PAGE **3** OF **6**

PRIORITY INVESTIGATION <input checked="" type="checkbox"/> YES # 49-MON-19 <input type="checkbox"/> NO		OTHER I.D. NO.	COUNTY OF OCCURRENCE MONTEREY	DATE OF OCCURRENCE MO 06 DAY 26 YR 2019
COMPLAINT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		WAS DOCTOR VISITED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only
		ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Other* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Explain <u>pinching broccoli</u>		

WITNESS/INJURED/COMPLAINANT	NAME		AGE unknown	SEX MALE	WHS NO.	NO. OF WORKDAYS LOST 0	
	ADDRESS		CITY		ZIP CODE	PHONE	
	MEDICAL FACILITY NAME N/A		<input type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY		<input type="checkbox"/> HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DATE/TIME ADMITTED	DATE/TIME DISCHARGED
	PHYSICIAN		ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPTOMS EXPERIENCED						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		HANDS <input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		OTHER <input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other _____	
ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None							

COMPLAINT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		WAS DOCTOR VISITED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only		ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Other* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Explain <u>pinching broccoli</u>	
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WITNESS/INJURED/COMPLAINANT	NAME		AGE 15	SEX F	WHS NO.	NO. OF WORKDAYS LOST unknown	
	ADDRESS		CITY		ZIP CODE	PHONE	
	MEDICAL FACILITY NAME NATIVIDAD MEDICAL CENTER		<input type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY		<input type="checkbox"/> HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DATE/TIME ADMITTED 6/26/2019	DATE/TIME DISCHARGED
	PHYSICIAN		ADDRESS 1448 CONSTITUTION BLVD SALINAS CA 93906		PHONE (831)755-4111		
	<input checked="" type="checkbox"/> SIGNS/SYMPTOMS EXPERIENCED NOT AVAILABLE (unable to interview)						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input type="checkbox"/> Eye/Sun Glasses <input checked="" type="checkbox"/> None		HANDS <input type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input checked="" type="checkbox"/> None		INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		OTHER <input type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input type="checkbox"/> Head Covering <input type="checkbox"/> Other _____	
ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None							

COMPLAINT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		WAS DOCTOR VISITED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only		ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Other* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Explain <u>see above</u>	
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WITNESS/INJURED/COMPLAINANT	NAME		AGE unknown	SEX MALE	WHS NO.	NO. OF WORKDAYS LOST 0	
	ADDRESS		CITY		ZIP CODE	PHONE	
	MEDICAL FACILITY NAME N/A		<input type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY		<input type="checkbox"/> HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DATE/TIME ADMITTED	DATE/TIME DISCHARGED
	PHYSICIAN		ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPTOMS EXPERIENCED						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		HANDS <input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		OTHER <input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other _____	
ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enc. Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None							

COMMENTS

REPORT PREPARED BY (NAME/TITLE) Jose Guzman/Ag Inspector Biologist	DATE PREPARED 2/24/2020	REPORT REVIEWED/APPROVED BY (NAME/TITLE) Ken Allen/Deputy Ag Commissioner	DATE REVIEWED/APPROVED 2/27/2020
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STATE OF CALIFORNIA
EPISODE WITNESS/INJURED/COMPLAINANT REPORT

DEPARTMENT OF PESTICIDE REGULATION
 ENFORCEMENT BRANCH

PR-ENF-127B (REV. 8/07) PAGE 1 OF 1

PAGE 4 OF 6

PRIORITY INVESTIGATION <input checked="" type="checkbox"/> YES # 46-MON-19 <input type="checkbox"/> NO		OTHER I.D. NO.	COUNTY OF OCCURRENCE MONTEREY	DATE OF OCCURRENCE MO 06 DAY 26 YR 2019
COMPLAINANT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		WAS DOCTOR VISITED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only
		ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Other* Explain <u>pinching broccoli</u>		

WITNESS/INJURED/COMPLAINANT	NAME		AGE unknown	SEX MALE	WHS NO.	NO. OF WORKDAYS LOST 0	
	ADDRESS		CITY		ZIP CODE	PHONE	
	MEDICAL FACILITY NAME N/A		<input type="checkbox"/> TREATMENT PROVIDED <input type="checkbox"/> OBSERVATION ONLY		<input type="checkbox"/> HOSPITALIZED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
	PHYSICIAN		ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPOMS EXPERIENCED THROAT IRRITATION						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		HANDS <input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		OTHER <input checked="" type="checkbox"/> Work Clothes Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering Other _____	
ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input type="checkbox"/> None							

COMPLAINANT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		WAS DOCTOR VISITED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only		ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Other* Explain <u>pinching broccoli</u>	
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	ADDRESS		CITY		ZIP CODE	PHONE	
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	PHYSICIAN		ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPOMS EXPERIENCED NAUSEA						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		HANDS <input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		OTHER <input checked="" type="checkbox"/> Work Clothes Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering Other _____	
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COMPLAINANT SIGNED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		WAS DOCTOR VISITED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A		EXTENT OF INJURY/ILLNESS <input type="checkbox"/> Fatal <input checked="" type="checkbox"/> Symptoms <input type="checkbox"/> Serious <input type="checkbox"/> Exposed Only		ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Other* Explain <u>see above</u>	
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	PHYSICIAN		ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPOMS EXPERIENCED THROAT IRRITATION						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		HANDS <input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		OTHER <input checked="" type="checkbox"/> Work Clothes Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering Other _____	
ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enc. Cab w/Air Purification <input type="checkbox"/> Other _____ <input type="checkbox"/> None							

COMMENTS

REPORT PREPARED BY (NAME/TITLE) Jose Guzman/Ag Inspector Biologist	DATE PREPARED 2/24/2020	REPORT REVIEWED/APPROVED BY (NAME/TITLE) Ken Allen/Deputy Ag Commissioner	DATE REVIEWED/APPROVED 2/27/2020
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STATE OF CALIFORNIA
EPISODE WITNESS/INJURED/COMPLAINANT REPORT

DEPARTMENT OF PESTICIDE REGULATION
 ENFORCEMENT BRANCH

PR-ENF-127B (REV. 8/07) PAGE 1 OF 1

PAGE **5** OF **6**

PRIORITY INVESTIGATION <input checked="" type="checkbox"/> YES # 46-MON-19 <input type="checkbox"/> NO		OTHER I.D. NO.	COUNTY OF OCCURRENCE Monterey	DATE OF OCCURRENCE MO 06 DAY 26 YR 19
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		ACTIVITY OF PERSON EXPOSED/INVOLVED <input type="checkbox"/> Mixer/Loader <input checked="" type="checkbox"/> Field Worker* <input type="checkbox"/> Other* <input type="checkbox"/> Applicator <input type="checkbox"/> Public* Explain pinching broccoli		

WITNESS/INJURED/COMPLAINANT	NAME		AGE unknown	SEX MALE	WHS NO.	NO. OF WORKDAYS LOST 0	
	ADDRESS		CITY		ZIP CODE	PHONE	
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	<input checked="" type="checkbox"/> SIGNS/SYMPOMS EXPERIENCED THROAT IRRITATION						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
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ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input type="checkbox"/> None							

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WITNESS/INJURED/COMPLAINANT	NAME		AGE unknown	SEX MALE	WHS NO.	NO. OF WORKDAYS LOST 0	
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EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		HANDS <input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		INHALATION <input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		OTHER <input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input type="checkbox"/> Head Covering <input type="checkbox"/> Other _____	
ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input type="checkbox"/> None							

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WITNESS/INJURED/COMPLAINANT	NAME		AGE unknown	SEX FEMALE	WHS NO.	NO. OF WORKDAYS LOST 0	
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	PHYSICIAN		ADDRESS		PHONE		
	<input checked="" type="checkbox"/> SIGNS/SYMPOMS EXPERIENCED ITCHY SKIN, FACE SWELLING						
EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927			PHONE (831)674-1825		
PROTECTIVE MEASURES USED							
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COMMENTS

REPORT PREPARED BY (NAME/TITLE) Jose Guzman/Ag Inspector Biologist	DATE PREPARED 2/24/2020	REPORT REVIEWED/APPROVED BY (NAME/TITLE) Ken Allen/Ag Inspector Biologist	DATE REVIEWED/APPROVED 2/27/2020
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STATE OF CALIFORNIA
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 ENFORCEMENT BRANCH

PR-ENF-127B (REV. 8/07) PAGE 1 OF 1

PAGE **6** OF **6**

PRIORITY INVESTIGATION <input checked="" type="checkbox"/> YES # 46-MON-19 <input type="checkbox"/> NO		OTHER I.D. NO.		COUNTY OF OCCURRENCE MONTEREY		DATE OF OCCURRENCE MO 06 DAY 26 YR 2019				
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WITNESS/INJURED/COMPLAINANT	NAME		AGE unknown	SEX M	WHS NO.	NO. OF WORKDAYS LOST 0				
	ADDRESS		CITY		ZIP CODE	PHONE				
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	PHYSICIAN		ADDRESS		PHONE					
	<input checked="" type="checkbox"/> SIGNS/SYMPOMS EXPERIENCED NAUSEA		EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927		PHONE (831)674-1825			
WITNESS/INJURED/COMPLAINANT	PROTECTIVE MEASURES USED		HANDS		INHALATION		OTHER			
	EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		<input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		<input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		<input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other _____		ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None	
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	NAME		AGE 24	SEX FEMALE	WHS NO.	NO. OF WORKDAYS LOST 0				
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PHYSICIAN VALARIE VIGIL		ADDRESS 1448 CONSTITUTION BLVD SALINAS CA 93906		PHONE (831)755-4111						
<input checked="" type="checkbox"/> SIGNS/SYMPOMS EXPERIENCED PULSATING NOSE, NAUSEA, HEADACHE		EMPLOYER DOMINGUEZ FARMS		ADDRESS 818 OAK AVE GREENFIELD CA 93927		PHONE (831)674-1825				
WITNESS/INJURED/COMPLAINANT	PROTECTIVE MEASURES USED		HANDS		INHALATION		OTHER			
	EYES <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input checked="" type="checkbox"/> Eye/Sun Glasses <input type="checkbox"/> None		<input checked="" type="checkbox"/> Cloth/Leather Gloves <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Other _____ <input type="checkbox"/> None		<input type="checkbox"/> Dust Mask <input type="checkbox"/> 1/2 Face Respirator <input type="checkbox"/> Full Face Respirator <input type="checkbox"/> SCBA <input checked="" type="checkbox"/> None		<input checked="" type="checkbox"/> Work Clothes <input type="checkbox"/> Coveralls _____ <input type="checkbox"/> Chemical Resistant Clothes <input type="checkbox"/> Chemical Resistant Boots <input checked="" type="checkbox"/> Head Covering <input type="checkbox"/> Other _____		ENGINEERING CONTROLS <input type="checkbox"/> Closed System <input type="checkbox"/> Enclosed Cab <input type="checkbox"/> Enclosed Cab w/Air Purification <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None	
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	NAME		AGE unknown	SEX FEMALE	WHS NO.	NO. OF WORKDAYS LOST 0				
	ADDRESS		CITY		ZIP CODE	PHONE				
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PHYSICIAN		ADDRESS		PHONE						
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WITNESS/INJURED/COMPLAINANT	PROTECTIVE MEASURES USED		HANDS		INHALATION		OTHER			
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	REPORT PREPARED BY (NAME/TITLE) Jose Guzman/Ag Inspector Biologist		DATE PREPARED 2/24/2020		REPORT REVIEWED/APPROVED BY (NAME/TITLE) Ken Allen/Deputy Ag Commissioner		DATE REVIEWED/APPROVED 2/27/2020			

COMMENTS

SUMMARY

On June 26, 2019 at 5:30 a.m., a Wilbur-Ellis: Salinas helicopter pilot began an aerial application of Zampro Fungicide (EPA Registration No. 7969-302-AA) and Trigard (EPA Registration No. 66222-272-AA) to spinach on Blocks 33 and 37 of Christensen and Giannini's West Garlinger Front Ranch. At the same time, 39 employees of farm labor contractor Dominguez Farms arrived at the ranch and parked their cars on the northeast side of Blocks 32 and 35, approximately 660 ft from the northeast edges of Blocks 33 and 37.

The workers waited outside or inside their vehicles while the application to Blocks 33 and 37 were completed. At approximately 5:45 am., four crew members reported symptoms of nausea and headaches to their supervisors. The supervisors asked the other crew members if any were experiencing illness symptoms. No one else reported symptoms. The four crew members who reported experiencing illness symptoms were taken to Natividad Medical Center for medical care.

BACKGROUND

On June 26, 2019 at approximately 4:30 p.m., Luis Dominguez, of Dominguez Farms, contacted Monterey County Agricultural Inspector/Biologist Dan Hobby at the Pesticide Use Enforcement front desk. Dominguez informed Hobby early that morning four Dominguez Farms workers who had been working on Christensen and Giannini's West Garlinger Front Ranch had been taken to Natividad Medical Center to be treated for possible pesticide exposure. They were examined by physicians and released home later the same morning. Hobby then informed Deputy Agricultural Commissioner Casey McSwiggin of the incident.

VIOLATIONS

3 CCR section 6766(c) Emergency Medical Care.

(c) When there are reasonable grounds to suspect that an employee has a pesticide illness, or when an exposure to a pesticide has occurred that might reasonably be expected to lead to an employee's illness, the employer shall ensure that the employee is taken to a physician immediately.

3 CCR section 6764 Fieldworker Training

a) The employer shall assure that each employee assigned to work in a treated field has been trained within the last 12 months, in a manner the employee understands, before beginning work in the treated field.

WITNESSES

See [Attachment 1](#)

INVESTIGATION AND STATEMENTS

County: Monterey
Biologist: Jose Guzman
Date: June 26, 2019

Priority Case No: 46-MON-19
Subject: Dominguez Farms
Page: 2 of 26

On June 27, 2019 at approximately 8:15 a.m., _____ informed me of the incident and assigned me to investigate it. He gave me a block ID map and permit map of the West Garlinger Front Ranch ([Attachment 2](#)). He then instructed me to search for pesticide use reports (PUR's) for helicopter applications conducted on or near this ranch site on June 26, 2019. _____ also asked me to conduct interviews of Dominguez Farms supervisors as well as document statement reports from field workers who were treated for symptoms.

I ran a query in CalAgPermits and found four PURs showing on June 26, 2019 from 5:30 a.m. – 5:55 a.m., Wilber-Ellis: Salinas completed aerial applications of Zampro Fungicide and Trigard to spinach on Blocks 33A, 33B, 37A, and 37B of Christensen and Giannini's West Garlinger Front Ranch ([Attachment 3](#)). These were the only records of aerial applications on that ranch on June 26.

At 9:00 a.m., I called _____ . _____ stated the following in summary.

I am the owner of Dominguez Farms. We are a farm labor contractor. Yesterday morning we had a group of workers arrive early to Christensen and Giannini's West Garlinger Front Ranch. Four workers reported illness symptoms to their superiors and were taken to the hospital to be evaluated. They were released from the hospital and sent home afterwards.

The crew leader was _____ and the supervisor was _____. Today you can find the crew working at Merrill Farms Airport Ranch on Block 14.

I began preparing separate interview questionnaires for the crew supervisors and for the affected crew members.

At approximately 11:00 a.m., I arrived at Merrill Farms Airport Ranch and located the field crew. On site were foreman Marcelino Merino, and supervisor _____ as well as Dominguez Farms Safety Manager _____ .

At approximately 11:15 a.m., I interviewed Mandragon. I am Monterey County certified Spanish bi-lingual. _____ said the following in summary in Spanish:

I am the head supervisor for two Dominguez Farms' Crews and I alternate between the two locations every day. On June 26 at 5:33 a.m. I was notified by telephone by _____ there was a helicopter applying pesticides next to Christensen and Giannini's West Garlinger Front Ranch Block 36B. The crew was scheduled to work in Block 36B that morning. I instructed him to pull the crew out of the block and have them wait by their cars until I arrived.

At approximately 5:40 a.m., I arrived on site and witnessed the pesticide application being conducted in Blocks 33 and 37. The helicopter finished and left within a few minutes. At this time, I was approached by four workers who stated that they did not feel well. I instructed them to wait aside while I figured out if anyone else was feeling ill. I asked the remaining crew if they felt okay and no one else reported having symptoms. I

took three workers in my car and the last worker wanted to be escorted by her husband and followed me in their personal car. I told [redacted] to move the crew to a block away from the area while I escorted the workers to the hospital. The crew later was moved across town to the Airport Ranch.

We arrived at the hospital at approximately 6:00 a.m. All four workers were decontaminated and treated for their symptoms. I remained at the hospital with the workers until 10:30 a.m. Three out of the four were released, but one was diagnosed with a separate medical condition and stayed at the hospital with Safety Manager [redacted]. The three workers went home, and I went back to monitor the remaining working crews. No other crew members reported to me they had experienced illness symptoms the remainder of the day.

Our workers receive pesticide safety training. The most recent training was a month ago.

I did not receive a notification of the pesticide application for that morning. Normally Mann Packing will give me or one of the supervisors at least a day notice for any pesticide applications. I also did not see the spotter for the helicopter. Normally there is a truck that drives around and notifies me to stay away while the application occurs.

Our decontamination facility consists of portable bathrooms that are supplied with water, soap and disposable towels for the workers to use.

At approximately 11:45 a.m., I interviewed Crew Foreman [redacted] said the following in summary in Spanish:

On June 26, at 5:00 a.m. I arrived at Christensen and Giannini's West Garlinger Front Ranch 30 minutes before the crew arrived to locate the correct block and equipment we were to use. When I arrived, I did not see any helicopter application or anything that would alarm me an application was going to happen. I did not see the helicopter arrive until 5:30 a.m. the same time the crew began to arrive.

I was on site the entire time and I was not approached by anyone to warn me of the application. Normally, if there is a nearby application, someone will come and advise me to pull the crew for a few minutes until the application is completed. The crew was beginning to get ready when they noticed the application and several workers told me they were not comfortable working in Block 36B while the application was in progress.

At this point, I called [redacted] who is my direct supervisor and explained to him what was going on. He instructed me to pull the crew outside the field and wait for further instruction. There were three or four workers that had entered the field and I instructed them to come out and wait by the cars. We waited for the application to finish and at approximately 5:40 a.m. some workers notified me they were not feeling well. At this time, [redacted] had arrived and the workers also notified him. [redacted] and I asked the rest of the crew if anyone else felt bad. A total of four workers said they did not feel well.

The four workers were taken to Natividad Medical Center. I stayed with the remaining crew. I was instructed to move the crew to a different location across town to the Airport Ranch to insure there were no more possible exposures. No one else reported illness symptoms the remainder of the day.

After completing the interviews with the supervisors, I requested to speak to the four workers who had been taken to receive treatment. [redacted] stated that three out of the four workers were available on site. I also requested and obtained a roster sign in sheet for the day of the incident ([Attachment 4](#)).

At approximately 12:15 p.m., I spoke with [redacted] in Spanish. [redacted] said the following in summary:

I have been working for Dominguez Farms for a year. I carpool to work in a car with six other workers. This is the first time I have had a possible pesticide incident occur.

On June 26, I arrived to work at approximately 5:30 a.m. to begin “pinching” broccolini. We parked in between Block 32 and 31 behind the supervisor’s truck that was hauling the restrooms. As soon as I got out of the car and began putting on my gloves and apron, I noticed that there was a helicopter in the air in the field immediately across from where we were scheduled to work. The crew was standing outside the block and notified the supervisor that we did not want to go into the field. The supervisor agreed and we waited outside of our cars until the helicopter finished applying.

While waiting, I noticed there was a strange smell in the air, I could not pinpoint the exact smell, but it was not normal. At 5:45 a.m., I began having discomfort and felt nauseated. At this time the head supervisor [redacted] had arrived, and I notified him directly that I was not feeling well. He told me to wait while he figured out what was going on. While waiting for the application to finish, I began feeling dizzy, nauseas, itchiness in my whole body and weakness. Soon after I and three others were taken to Natividad Medical Center.

I arrived at the hospital at approximately 6:10 a.m. I was examined and prescribed some pills. I felt fine by the time I left the hospital and continued to feel fine the remainder of the day. I was the only one from my carpool that reported symptoms, and from what I can tell, everyone else on the crew was fine.

I receive pesticide training every year with the most recent being a few months back.

At approximately 12:25 p.m., I spoke with [redacted] in Spanish. [redacted] said the following in summary:

I have been working with Dominguez Farms for two months so far and this is the first time a possible pesticide incident has occurred.

On June 26, I arrived to work at 5:30 a.m. to begin my task of “pinching” broccolini in Christensen and Gianni’s West Garlinger Front Ranch. I carpool with my husband and two other family members. We parked along the field behind the restrooms and got out of the car to prepare to work.

I did not see the helicopter when driving in. I got out of the car and began putting on my regular everyday equipment which includes my gloves, scarf I use to cover my face, and apron. I began entering the field when I noticed the helicopter applying in the field directly in front of the block I was going to enter. The crew stood outside the field until the helicopter finished.

I smelled something strange, that I could not identify, and within a minute, I began to feel ill. I told my husband that I was not feeling well and was going to wait in the car. As I was walking to the car, I began to have a headache, nose pain and nausea. I felt weak and wanted to go home. The crew was told they were going to switch fields. When I heard this, I told the main supervisor that I was not feeling well and was going to go home. He told me to wait a few minutes. decided he was going to take the people that did not feel well to the hospital. took three ladies, and I had my husband drive me.

I was treated at the hospital with a decontamination rinse and with some pills. I was released at 10:00 a.m. and went home. My symptoms of nausea, headache, throbbing of the nose and weakness persisted the remainder of the day. I felt fine the following day and returned to work.

At approximately 12:35 p.m., I spoke with in Spanish. said the following in summary:

I have worked for Dominguez Farms for two years. On June 26 at 5:30 a.m. I arrived at Christensen and Gianni’s West Garlinger Front Ranch. I carpooled with four others. I began getting ready by putting on my everyday equipment that includes my gloves, apron, and handkerchief that I use as a face mask. I started walking to the field to begin working when I noticed a helicopter application in the field directly in front of the block. No one came to notify us to stay away. The crew did not want to start working while the helicopter was applying so we waited outside the field while the application finished. There was a different smell on the air while we were waiting. I cannot describe it exactly, but it reminded me of a chemical or fertilizer smell.

While waiting outside the field, I began to feel ill. I started to have nausea, burning and swelling in my eyes. I notified the head supervisor and within a few minutes I was being escorted to the hospital along with three other women who also were not feeling well. We were taken to Natividad Medical Center. I was rinsed, examined, given pills and later sent home. My symptoms subsided and I was feeling better by the end of the day. I returned to work the next day with no more symptoms.

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I was able to obtain medical release forms from all three workers. I also had the supervisors and workers identify on the block map the location of their parked cars, where the helicopter application was, and what block they were to work in. I created a separate map ([Attachment 5](#)) that shows the crew parked their cars on the northeast side of Blocks 32 and 35, approximately 660 ft from the northeast edges of Blocks 33 and 37. It also shows where Block 36B is in relation to Blocks 33 and 37, and the application completion times taken from the PURs I downloaded from CalAgPermits.

At approximately 1:30 p.m., I drove to the Christensen and Giannini West Garlinger Front Ranch. Blocks 32 and 36 were both planted with broccolini and Blocks 33 and 37 had spinach. I did not see any pesticide warning signs on Blocks 33 or 37.

On June 28, I queried weather data from Station 214 of the California Irrigation Management Information System (CIMIS) for June 26. Station 214 is located approximately 2.55 miles to the west of Christensen and Giannini's West Garlinger Front Ranch. The data showed at 5:00 a.m. the wind velocity was 4.2 mph from 287 degrees, blowing from west northwest towards east southeast. At 6:00 a.m. the wind velocity was 4.3 mph from 296 degrees, still blowing from west northwest towards east southeast. This data indicates that Block 36B was located downwind of Block 33, and a portion of Block 37, during the time Wilbur-Ellis: Salinas was making their aerial pesticide application on June 26.

At approximately 12:00 p.m., I called Wilbur-Ellis Salinas office and requested completion records for the aerial applications they completed June 26 on Blocks 33 and 37 of the West Garlinger Front Ranch.

At approximately 3:25 p.m., I was notified that [redacted] from Wilbur Ellis was asking to speak to me. I invited [redacted] into our conference room to talk in private. [redacted] handed me the completion notices ([Attachment 6](#)) that I requested and informed me he is the head supervisor for all helicopter applications. [redacted] told me he was not aware of the Dominguez Farms employees who had been taken to Natividad Medical Center following the application completed on June 26. [redacted] said [redacted] was the supervisor in charge of those applications and would be arriving to his office soon. [redacted] then called [redacted] on his cell phone and asked him to come to the Agricultural Commissioner Office.

At approximately 3:45 p.m., I spoke with [redacted] in person. [redacted] said the following in summary:

I work for Wilbur-Ellis and I was the foremen for the helicopter applications that occurred on June 26 at the West Garlinger Front Ranch operated by Christensen & Giannini. I am the worker that runs interference for the helicopter application making sure there are no hazards. This application was originally scheduled to be conducted the day before, June 25, but because of worker conflict it was rescheduled for June 26.

I arrived at the site at approximately 4:50 a.m. and began driving the ranch property looking to insure everything was safe and there are no people or hazards for the

application scheduled to begin at 5:30 a.m. I entered the ranch from Goat Rd west of and adjacent to Block 34. I followed Goat Rd all the way up to Block 31 and made a right turn towards Block 35 near the yard site. I saw no people, only yard equipment. I made a right turn at the yard and came down the road and made another right to go in between Blocks 35 and 36. I went all the way down this road and did not see any workers. I noticed a pair of machines, but I knew there was going to be a crew working in this area at 7:00 a.m. so I did not think anything of it. I figured we would have left the area by then.

I continued making my way through the ranch site making a left to go in between Blocks 32 and 33 and took that road all the way down passing our pesticide warning signs that were posted in Blocks 33 and 37. I finished driving through all the blocks and only noticed one vehicle enter the property through Goat Rd and continue driving straight through and not stop at this ranch site.

The helicopter arrived at approximately 5:30 a.m. flown by our pilot, [redacted] The swamper with loader [redacted] was at the load site, east of Block 42. I stayed at this site for approximately two or three application loads and did not see any workers come into the property. At 5:40 a.m. I determined the application was going well and I drove away to the next scheduled site.

[redacted] showed me where the mix and load site was on the West Garlinger Front Ranch Block ID map ([Attachment 7](#)). He also provided me with the contact information for [redacted] and [redacted]

I compared the completion notices [redacted] provided me to the PURs I had queried from CalAgPermits and confirmed they matched each other.

At 4:20 p.m., I contacted [redacted] and scheduled an appointment for an interview.

On July 1, at approximately 3:30 p.m., I spoke with [redacted] said the following in summary:

I have been working for Wilbur-Ellis as a pilot for approximately 28 years. I conducted the application on June 26 at the West Garlinger Front Ranch. I flew in and loaded up on the east side of Block 42 where the mix and loader, [redacted] was stationed. [redacted] was also on site as my interference man and was driving around the property making sure everything was okay.

I loaded up and began applying to Blocks 33 and 37 at approximately 5:30 a.m. I decided to start with four vertical application passes on the west side of Block 33 going parallel with Goat Rd. I decided to make these passes first as I knew Goat Rd is a trafficked road and wanted to get that area done while there was no traffic. After this section, I flew horizontally across the top going from right to left starting at Block 33 and passing to 37 before turning around and applying from Block 37 to 33. I continued this

pattern, making my way down until I completed the entire two blocks. I made approximately 15 passes total, and finished at approximately 5:55 a.m.

While applying, I did not see any field workers in the area. I only noticed a white bus that drove up Goat Rd and kept on driving and did not stop. I do not recall seeing anyone else in the area. At the top of the ranch site above Block 36 I noticed some cars with two machines, but I could not see any workers there, it is possible that there were workers, but I did not see them.

The application was smooth from start to finish. I did not have any visibility issues and flew at 50 miles per hour with a boom pressure of about 30 pounds flying two or three feet above the crop. The application was the first job of the day, as a result, the helicopter was clean. We clean all helicopters at the end of the day, so there should have been no residue from other applications.

I had continuous communication with both the loader and my interference man through a two-way radio. If there was a hazard, we would have communicated to each other. I left as soon as I did my last pass and the mix and loader usually leaves after the last load. I do not know what time the interference driver left but he doesn't leave until he is sure there are no hazards around.

On July 2, I spoke to Deputy Agricultural Commissioner Ken Allen and received guidance to conduct four more random interviews on the field worker crew to insure no one else experienced symptoms.

On July 3 at 9:00 a.m., I drove to Natividad Medical Hospital and dropped off three medical release forms. At 9:30 a.m., I called _____ and asked for the location of the field worker crew in question. He stated the crew was working on Block 6 of Merrill Farms' Airport Ranch.

At 10:30 a.m., I arrived at the Airport Ranch and met with _____. I asked _____ if _____ who was taken to Natividad Medical Center on June 26, had returned to work. He stated she had not returned and is not sure when she would. I notified _____ I needed to speak to four more workers and asked him to randomly pull out one worker at a time to be interviewed.

At approximately 10:35 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I am a worker for Dominguez Farms, and I was working in June 26 as a "pincher". I arrived at the West Garlinger Front Ranch at 5:30 a.m. When I got out of the car, I noticed a helicopter application taking place on a block in front of us. My co-workers did not want to go in the field, so I walked back to my car and waited inside until the application finished. I know a few ladies did not feel well and were taken to the doctor. I personally felt fine, and I did not experience any symptoms. The crew was moved to a

different location following the application. I continued to feel fine the remainder of the day.

At approximately 10:40 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I am a Dominguez Farms employee and I was working on June 26. That morning I arrived to begin working at the West Garlinger Front Ranch at 6:00 a.m. There was a helicopter application being conducted in the block adjacent in front of the block I was going to work. I did not enter the field while the application was going on and waited outside next to the cars. I recall four ladies reported illness symptoms and were taking to receive medical attention. I personally did not have any symptoms and felt fine that day. The crew was transferred to a different site and I continued to work the remainder of the day.

At approximately 10:47 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I work for Dominguez Farms and I was working on June 26. That morning I began working at 5:30 a.m. at the West Garlinger Front Ranch. I am the worker that operates the machine. I am usually loading and unloading the machine as well as prepping the machine before everyone else arrives. That morning, the machine was placed in the middle of the block. I was in between the helicopter and the rest of the crew while the application took place. I did not have any symptoms and felt fine. The supervisors both asked me if I was feeling okay and I told them I was perfectly fine. I continued to work the remainder of the day.

At approximately 10:52 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I work for Dominguez Farms and was working at the West Garlinger Front Ranch on June 26. My job for the day was “pinching” broccolini and arrived at the job site at 5:30 a.m. I did not see the helicopter application when I arrived, but I noticed it within a few minutes of working the field. I worked for about five minutes and I was asked by the supervisor to wait outside the field next to the cars. I waited outside the field with the other workers until the application finished. A few ladies reported an illness and were taken to receive medical attention by the supervisor and the rest of us were moved to a different field. Both supervisors asked me and the rest of the crew if we were feeling okay. I told them I was fine and continued to work the remainder of the day without developing any symptoms.

At 11:00 a.m., I finished the interviews as the crew was being dismissed for lunch. I packed my items and was inside my truck when a crew worker approached me and informed me the supervisor was only letting me talk to family friends of the company and there are others in the crew who had symptoms. He also was requesting information about worker, _____ who

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he stated was a minor and was reported as an orphan after her hospital visit. I thanked him for the information and notified him that I do not have information on _____ at this time.

At 11:30 a.m. I contacted Dominguez Farms Safety Coordinator _____ and requested training records for the crew members who had worked on the West Garlinger Front Ranch on June 26.

On July 8 at 9:53 a.m., I contacted Wilbur-Ellis aerial supervisor, _____ and asked him directly who he was in contact with to ensure the field would be clear of workers during the application. _____ stated he worked with Pest Control Advisor (PCA) _____ to schedule the application and was insured there would not be a field worker crew in the area until 7:00 a.m., after the application was completed.

At approximately 10:00 a.m., I spoke with _____ who is a Wilbur-Ellis worker and was the mix and loader for the application, via phone call. _____ said the following in summary:

I was the mix and loader for the Christensen and Giannini West Garlinger Front Ranch application on June 26. At 4:30 a.m. I arrived at the West Garlinger Front Ranch. The application was scheduled to go at 5:30 a.m. and was the first application of the day. I stationed the pesticide nurse rig east of Block 42; behind the ranch sites yard location.

After I stationed, I began mixing and loading to ensure the load was ready when the helicopter arrived. While mixing and loading, I did not see nor notice any workers in the area besides someone who I believe was the irrigator for the ranch site, but he left shortly after. I did not see any other workers while I was mixing and did not see any cars drive past me during this time. I entered the ranch site from the east entrance and did not see anyone else come in through this entrance; however, there is another entrance on the south side that workers could have come in from. I drove away after the job was completed around 6:00 a.m. and headed to the next work site.

_____ was also on site patrolling the area insuring there were no hazards and did not mention seeing anyone during the application. There was not anything unusual during the application and we finished the job without any concerns.

At approximately 3:10 p.m., I spoke over the phone with PCA _____ He said the following in summary:

I work for Crop Care and am Christensen and Giannini's PCA. I write recommendations for jobs going on the West Garlinger Front Ranch. When I determine that an aerial pesticide application needs to be done, I work with _____ the ranch supervisor, to see what time and day is best for the application. I then communicate with _____ who is the supervisor for helicopter applications, and schedule the time and date to conduct the application.

After communicating with Wilbur-Ellis, Sanchez and I coordinate with [redacted] who works for Mann Packing and oversees the scheduling of the Farm Labor Contractor. We coordinate and insure there will be no workers in the treatment area.

This application was originally scheduled to be conducted on June 25, but because of a conflict with the crew, we had to reschedule the application to June 26 at 5:30 a.m. The company's unwritten policy is that we do not have workers in the area of treatment unless they are at least two full blocks in between the application and the workers work site.

During communication with Mann Packing, I specifically requested a one-hour buffer zone for the application before a field worker crew could be able to work in the area. It was my understanding that [redacted] would ensure the workers would not be working near that site until after 7:00 a.m. I was not aware workers were on the ranch during the application nor that workers were treated for possible pesticide exposure on June 26.

On Tuesday July 9 at approximately 11:00 a.m., I spoke via telephone with [redacted] said the following in summary:

I work for Mann Packing and am the head supervisor for our broccolini department. Christensen and Giannini are one of our partner growers and produce some of our broccolini that is worked and harvested by Dominguez Farms. I communicate with [redacted] who is the Christensen and Giannini ranch manger that grows our broccolini, about any scheduled pesticide applications.

[redacted] informed me an aerial pesticide application was scheduled for June 26 on the West Garlinger Front Ranch. On June 25, I called [redacted] and told him that there was going to be an application conducted on the same ranch the crew was scheduled to work on the next day. I do not recall telling [redacted] the PCA, or the crew to not be there until 7:00 a.m. The application was going to be conducted a considerable distance away from the crew which I considered to be safe.

On June 26 at approximately 6:00 a.m. I received a call from [redacted] informing me he had workers who did not feel well and was going to be taking them to the doctor. I told him I'd be driving over to the site. When I arrived, we asked all the employees if anyone else was feeling ill. No one else reported symptoms. We decided that the crew was going to be moved to the Airport Ranch site for precautionary purposes at approximately 6:30 a.m. The crew finished the rest of their day there. No one else reported symptoms.

At approximately 2:00 p.m., I consulted with Allen regarding the suggestion from the field worker who stated there were more affected workers in the crew. Allen recommended conducting four more interviews that I hand pick myself to determine if those workers had symptoms. Allen advised if any of those workers reported symptoms to proceed and interview the remaining crew. I proceeded to prepare interview templates for the remaining crew members if needed.

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On July 10 at approximately 8:15 a.m., I called [redacted] and asked him for the location of the field worker crew. [redacted] stated that the crew was located at Merrill Farms Norton Ranch in Block 11. At 8:20 a.m. Agricultural Inspector/Biologist Liliana Pimentel and I prepared to drive to the Norton Ranch and conduct more field worker interviews.

At approximately 9:00 a.m., Pimentel and I contacted [redacted] on site and, from the roster sheet provided, I handpicked workers to interview.

At approximately 9:10 a.m., I interviewed [redacted] in Spanish. [redacted] said the following in summary:

I am a Dominguez Farms worker and I have been for the previous three years. On June 26, I arrived to begin work at the West Garlinger Front Ranch at 5:30 a.m. When I arrived, I did not see anything unusual and parked behind the restrooms. My task for the day was “pinching” broccolini, so I had on my everyday work clothes including long pants, long sleeve shirt, rubber boots, apron, and a bandana head covering. I proceeded to the top of the scheduled block and began working. I did notice that there was a helicopter applying in the field directly in front of me but continued working for a few minutes alongside three or four other co-workers while the remaining crew did not want to enter the field.

At about 5:35 a.m. the foreman instructed everyone to wait outside the field while the helicopter application finished. We all proceeded to wait outside the field for ten or so minutes while the helicopter finished and flew away. I did not smell nor notice anything unusual. When the helicopter left some ladies told the supervisor they were not feeling well. The supervisor took them to the doctor. No one asked me if I felt okay, but I did not have any symptoms. The crew was moved across town to a different ranch and continued working. I felt fine the remainder of the day.

At approximately 9:10 a.m., Pimentel interviewed [redacted] in Spanish. [redacted] is certified Spanish bi-lingual by Monterey County. [redacted] said the following in summary:

I have been working for Dominguez Farms for approximately four months. On June 26 I arrived to work on the West Garlinger Front Ranch at 6:30 a.m. I first put on my water-resistant boots, sleeve covers, gloves and apron like I normally wear every day. That morning I noticed a helicopter applying pesticides in the field ahead of the block the crew was scheduled to work. A few workers including myself entered the field to work while most of the crew were hesitant to enter. There was a bad odor in the air that smelled like chemicals and sulfur. There were four women that reported symptoms and were transported to seek medical attention; thereafter the crew was relocated to a different ranch across town. I don’t recall being asked if I had any symptoms, but my skin felt itchy and my face felt swollen that morning. The symptoms started after the helicopter application. I did not notify my supervisor of my symptoms and I did not seek medical attention.

At approximately 9:30 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for two months and was working on June 26 as a “pincher”. I arrived to work at the West Garlinger Front Ranch a few minutes before the scheduled start time of 5:30 a.m. The vehicle I carpool in parked alongside the block we were scheduled to work, behind the bathrooms. When I got out of the car, I noticed a helicopter application going on directly in front of the block scheduled to be worked in. I had already put on my rubber gloves and boots as well as my apron when I noticed that the majority of the crew was standing outside the block not wanting to enter the field. I also waited outside the field in front of the cars until the application finished.

Once the helicopter finished, I learned four workers were going to be taken to the doctor by the supervisor. I noticed that there was a strange smell in the air, but it did not affect me. Both the foreman and supervisor asked the crew if anyone else had any symptoms and only the four initial ladies reported. The crew was moved to an adjacent field for a few minutes but ended up going to a different site across town. I felt fine and did not have any symptoms the remainder of the day.

At approximately 9:30 a.m., Pimentel spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for approximately one year. On June 26 I arrived to work at the West Garlinger Front Ranch at 5:00 a.m. and our task for the day was “pinching” broccolini. I had my everyday work clothes on, which include water-resistant boots, sleeve covers, gloves, apron, sweater, hat, and a bandana as a face cover. I got out of the car and noticed a helicopter applying pesticides in the field in front of the field I was scheduled to work in. I only entered a few feet and got out as soon as other people that were further in said they started feeling throat irritation. I waited outside of the field for instructions from my supervisor as others were hesitant to enter the field. There was a smell in the air like a pesticide used on corn in Mexico. The whole crew was moved to an adjacent field and worked for about one hour. I do not recall being asked if I had any symptoms, but I did feel nauseated that morning following the helicopter pesticide application. I did not notify my supervisor of my symptom nor did I seek medical attention as my symptom went away once the crew was relocated to a ranch across town.

At approximately 9:45 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for two months and was present on the West Garlinger Front Ranch the morning of June 26. I arrived to work minutes before 5:30 a.m. to begin working as a “pincher”. I parked behind the cars that were stationed behind the supervisor’s vehicle. When I stepped out of the car, I noticed that there was a helicopter application in the field directly in front of the field we were about to work. I

put on my gear which includes rubber gloves, rubber boots, and an apron but I did not enter the field.

I waited outside the field with the rest of my coworkers excluding a few workers that had already entered the field. The crew uniformly notified we did not want to work while the helicopter was applying. He instructed us to continue to wait outside the field until the helicopter finished. We waited about ten minutes for the helicopter to finish. I noticed a strange smell but felt fine. Four ladies stated they felt ill and were taken to the doctor. Both supervisors asked the crew if anyone else was feeling ill. No one else reported symptoms. The crew ended up moving to a different location and I continued to feel fine the remainder of the day.

At approximately 9:55 a.m., I spoke with [redacted] in Spanish. [redacted] said the following in summary:

I have been working with Dominguez Farms for a year and was working on June 26. I arrived at the West Garlinger Front Ranch at 5:30 a.m. I parked my car adjacent to the block scheduled to be worked. When I stepped out, I noticed a helicopter applying in the field in front of the block we were about to work. I put on my boots, gloves, and apron in case the foreman instructed us to work in the field. A few workers did go in to work but I did not enter the field. The foreman then asked everyone to wait outside the field until the helicopter left. While waiting for ten or so minutes, four ladies informed the foreman they did not feel good. They were taken to the doctor. I was not asked if I had symptoms, but I felt fine and continued to feel fine the remainder of the day.

At approximately 10:00 a.m., Pimentel spoke with [redacted] in Spanish. [redacted] said the following in summary:

I have been working for Dominguez Farms for approximately three years. On June 26 I arrived at the West Garlinger Front Ranch at 5:15 a.m. The task for the day was “pinching” broccolini so I was wearing my everyday work clothes that consist of water-resistant boots, gloves, apron, long sleeve shirt, hat, and a bandana as a face cover. Before starting work and entering the field I saw a helicopter applying pesticides in the field ahead of the field the crew was scheduled to work. Due to the proximity of the helicopter pesticide application, I did not want to enter the field and waited outside the field. There was a strong smell in the air that I cannot describe. The crew was moved to a different ranch across town after people reported symptoms and were transported to the hospital. The supervisor asked if anyone else had symptoms, but I felt fine with no issues.

At approximately 10:15 a.m., I spoke with [redacted] in Spanish. [redacted] said the following in summary:

I have been working for Dominguez Farms for approximately three years. I arrived to work at the West Garlinger Front Ranch on June 26 at 5:30 a.m. That morning our car

drove up to the location and parked behind the foreman's vehicle that was towing the bathrooms. I got out of the car and noticed a helicopter applying pesticides in the field ahead of the block we were scheduled to work in. I began putting on my boots, gloves and apron like I normally wear every day expecting to work. A few workers began to enter the field but myself along with most of the crew were hesitant to enter. Someone told the foreman that we did not want to work while the helicopter was there, and he asked everyone to wait outside the field by the cars.

There was a smell in the air like some sort of cleaner. When the helicopter finished, I noticed that the head supervisor was going to take four women to the doctor. I don't recall being asked if I had any symptoms, but I did feel dizzy after the application. After took the ladies to the doctor, the rest of the crew was moved to a different ranch across town. I continued to feel dizzy for a few more hours until I was able to eat some food at 11:00 a.m. I felt fine the remainder of the day, so I did not notify my supervisor of my symptom nor did I seek medical attention on my own.

After conducting the initial interviews, Pimentel and I consulted with Allen and determined the remainder of the crew should be interviewed.

At approximately 10:35 a.m., Pimentel spoke with in Spanish. said the following in summary:

I have been working for Dominguez Farms for approximately six months. On June 26, I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. When I arrived, I did not see anything out of the ordinary. Our task for the day was "pinching" broccolini so I was wearing my everyday work clothes which consists of an apron, water-resistant boots, gloves, sleeves, pant covers, long sleeve shirt, hat, and a bandana face cover. Once ready, I entered the field and started working for a few minutes when I saw the helicopter applying pesticides to the field ahead of the block I was in. I was one of the few who entered the field to work as other crew members hesitated to enter. The foreman then told us to exit the field. When the supervisor arrived after approximately fifteen minutes, he asked people if anyone had illness symptoms. The crew was moved to a different ranch to continue working. I felt fine with no issues.

At approximately 10:40 a.m., I spoke with in Spanish. said the following in summary:

I have been working for Dominguez Farms for under a year. I arrived to work at the West Garlinger Front Ranch on June 26 at the same time the other workers arrived. I noticed the helicopter as soon as I stepped out of the car. I recall seeing the helicopter applying in the field ahead of where we were going to work. I had on my regular clothing as well as a pair of rubber gloves, boots, apron and a face covering. I never went inside the field but waited outside the field while the helicopter finished the application. While the crew was waiting, some ladies notified the supervisor they did not feel well and were going to be taken to the doctor. The supervisor then came to me and asked me

if I was feeling okay, and I told him I was fine. I did not have any symptoms and felt fine the rest of the day.

At approximately 10:50 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I am an employee of Dominguez Farms and I was working on June 26. That morning I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. as a “pincher”. Once I stepped out of my car, I could see the helicopter applying in the field in front of the block we were scheduled to work in. I did not think anything about it and put on my everyday work gear including rubber gloves, rubber boots, apron, and handkerchief I use as a head covering.

I began working the broccolini for a few minutes until the supervisor _____ told the entire crew to step out of the field and wait by the cars until the application finished. We waited for about ten minutes. While waiting, I noticed there was a strange smell but cannot describe exactly what it smelled like. During this time, four women told the supervisor that they did not feel well, and they were taken to the doctor. The supervisors did not ask me if I had symptoms. I felt fine and continued to feel okay the remainder of the day.

At approximately 11:45 a.m., Pimentel spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for approximately two months. On June 26 I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. The task for the day was “pinching” broccolini so I was wearing my everyday work clothes which includes an apron, gloves, water-resistant boots, sleeve covers, long sleeve shirt, and a hat. I got out of the car and saw a helicopter applying pesticides in a field ahead of the block where we were scheduled to work. I entered the field and worked on approximately five to six plants when the supervisor asked the crew to exit the field due to the pesticide application and we all waited outside the field. I did not smell anything unusual. The supervisor asked if anyone was having symptoms. I felt fine with no issues. We were moved to an adjacent block, then to a different ranch to continue working.

At approximately 11:50 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I have been working with Dominguez Farms for a month and I was working on June 26 as a “pincher”. I arrived at the West Garlinger Front Ranch that morning slightly before 5:30 a.m. and parked alongside the field we were scheduled to work. Once I stepped out of the car, I noticed that a helicopter was applying pesticides in the field in front of where we were going to work. I put on my equipment which includes rubber gloves, rubber boots, and an apron to prepare to go into work but I never went inside as _____ the

foreman, asked us to wait outside the field until the application finished. That morning was like any other morning, it was not windy and there was nothing unordinary. While we were waiting, a few ladies told the foreman they did not feel well and were taken to the doctor by the head supervisor and asked me if I was feeling okay and I told them I was fine. I did not smell anything unusual and felt fine. The rest of the crew was relocated to a different ranch across town. I felt fine the rest of the day.

At approximately 11:50 a.m., Pimentel spoke with in Spanish. said the following in summary:

I have been working for Dominguez Farms for approximately five months. On June 26 I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. Our tasks for the day was “pinching” broccolini so I wore my everyday work clothes which includes sleeve covers, gloves, apron, long sleeve shirt, water-resistant boots, and a hat. I got out of the car, entered the field, and was about to start work when I saw the helicopter begin to apply pesticide in a field ahead of the block where we were scheduled to work. I immediately got out of the field and waited outside near the cars. There was an unusual smell in the air that I cannot describe. I don’t recall if the supervisor asked if I had any symptoms, but I did feel throat irritation that lasted approximately one hour and went away once we moved to a different ranch across town. I did not notify my supervisor, nor did I seek medical attention.

At approximately 11:55 a.m., Pimentel spoke with in Spanish. said the following in summary:

I am an employee of Dominguez Farms and on June 26 I arrived at the West Garlinger Front Ranch for work at 5:20 a.m. Our task for the day was “pinching” broccolini so I wore my everyday work clothes which includes an apron, gloves, water-resistant boots, sleeve covers, long sleeved shirt, and a hat. I got out of the car and walked towards the field about to start work. I noticed a helicopter making a pesticide application in the field ahead of the block we were scheduled to work in. I refused to enter the field and waited outside of it. There was a weird smell that I cannot explain in the air. The supervisor asked if we were experiencing symptoms, but I felt fine with no issues.

At approximately 12:05 a.m., Pimentel spoke with in Spanish. said the following in summary:

I have been working for Dominguez Farms for approximately three months. I arrived to work at the West Garlinger Front Ranch on June 26 at 6:30 a.m. My task for the day was to operate the tractor. Once I got out of the car and got ready to start work, I noticed a helicopter was applying pesticides in the field ahead of the block we were scheduled to work in. I entered the field and worked for a few minutes, but others hesitated to enter and waited outside of the field. There was a smell in the air that smelled like some sort of cleaner. The supervisor asked everyone if they were experiencing symptoms, but I felt fine with no issues.

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At approximately 12:15 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for four months and was present on June 26. I arrived at the West Garlinger Front Ranch to start work at 5:30 a.m. to “pinch” the broccolini. The car I came in parked behind the foreman’s truck with the bathrooms attached to it. I stepped out of the car and noticed there was a helicopter applying pesticides in the block immediately in front of the block we were scheduled to work in. I walked over to and stood next to the bathrooms where everybody else was standing and only a handful of people went inside the field and started working. _____ informed us to wait outside the field next to the cars. We waited for 10 minutes while the helicopter finished, and we could go back in.

While waiting, four ladies said they did not feel well, and the head supervisor Fidel escorted them to the doctor. I was not asked if I was feeling okay. I began to have a headache and my throat began to get irritated. A few minutes after working this block the supervisor told us we were going to a different ranch across town. My symptoms continued until lunch around 11:00 a.m. After eating, I started feeling better and was fine. I did not notify my supervisors because I started feeling better. I did not seek medical attention. My symptoms did not return.

At approximately 12:15 p.m., Pimentel spoke with _____ in Spanish. _____ said the following in summary:

I am an employee of Dominguez Farms and on June 26 I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. Our task for the day was “pinching” broccolini so I wore my everyday clothing that consists of an apron, sleeve covers, long sleeve shirt, water-resistant boots, and a hat. When I was outside of the block ready to start work, I saw a helicopter applying pesticides in the field ahead of the block I was scheduled to work in. I did not enter the field and waited to hear from our supervisor on what to do next. There was an unusual smell in the air that I cannot explain. I don’t recall being asked if I had any symptoms, but I did feel nauseated. The nausea lasted approximately 1.5 hours and went away once I left the area to take my wife to the hospital to seek medical attention for her symptoms. I did not tell my supervisor, nor did I feel it was necessary to seek medical attention for my symptom.

At approximately 12:25 p.m., Pimentel spoke with _____ in Spanish. _____ said the following in summary:

I am an employee of Dominguez Farms and on June 26 I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. Our task for the day was “pinching” broccolini so I wore my everyday clothing that consists of an apron, sleeve covers, long sleeve shirt, water-resistant boots, and a hat. When I arrived in the car, I saw the helicopter applying pesticide in the field ahead of the block we were scheduled to work. I got out of the car, got ready for work, and waited outside of the block. There was a smell in the air that

smelled like chemicals. I don't recall the supervisor asking if anyone had symptoms, but I did feel throat irritation and nausea. My symptoms lasted approximately 30 minutes. I did not notify my supervisor, nor did I seek medical attention for my symptoms.

At approximately 12:30 p.m., I spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for three years and I was working the morning of June 26 as a "pincher". I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. and did not notice anything unordinary. I put on my everyday gear that includes my rubber gloves, boots, apron and head covering. I did not notice or pay attention to the helicopter until I was working the block and the supervisor told the crew to exit the field and wait by the cars.

We waited outside the field border until the helicopter finished applying and left. At this point, some ladies said they did not feel well and were going to be taken to receive medical attention. The foreman _____ asked if anyone else was feeling bad and only those four ladies said they had symptoms. I felt fine and as far as I know only those four initial ladies had said they didn't feel well. The crew was moved to a different location, and I didn't have any symptom at all the rest of the day.

At approximately 12:30 p.m., Pimentel spoke with _____ in Spanish. _____ said the following in summary:

I am an employee of Dominguez Farms and on June 26 I arrived at the West Garlinger Front Ranch to begin work at 5:00 a.m. Our task for the day was "pinching" broccolini so I wore my everyday clothing that consists of an apron, sleeve covers, long sleeve shirt, water-resistant boots, and a hat. Once ready, I walked towards the field I was scheduled to work in, and it was then that I noticed a helicopter applying pesticides in the field ahead. I entered the field and worked approximately thirty minutes. There was a strong smell in the air that smelled like chemicals. I don't recall the supervisor asking if anyone had symptoms, but I did have throat irritation for half of the day. The supervisor relocated us to an adjacent field, where we worked for approximately one hour and fifteen minutes. I did not tell my supervisor about my symptom. I did not seek medical attention.

At approximately 12:35 p.m., Pimentel spoke with _____ in Spanish. _____ said the following in summary:

I am an employee of Dominguez Farms and on June 26 I arrived at the West Garlinger Front Ranch to begin work at 5:00 a.m. Our task for the day was "pinching" broccolini so I wore my everyday clothing that consists of an apron, sleeve covers, long sleeve shirt, water-resistant boots, and a hat. I got to the field that morning and got out of the car to get ready for work. I saw a helicopter applying pesticides in the field ahead of the block we were scheduled to work in. I entered the field and worked in it for approximately

forty minutes then exited the field and waited next to it. The supervisor then relocated us to an adjacent field. I did not smell anything unusual. The supervisor asked everyone if they had symptoms. I felt fine with no issues.

At approximately 12:40 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for three years and I was working for them on June 26. I arrived at the West Garlinger Front Ranch to work that morning at 5:15 a.m. as I usually arrive 15 minutes before the scheduled start time. I drove up to the field and parked behind the foreman's truck and bathrooms. I waited a few minutes and stepped out of the car. Once I stepped out, I noticed the helicopter was applying pesticides in front of the block that was scheduled to be worked in. We were instructed to wait next to our cars while the application was going on. At this time, four ladies were taken to receive medical attention and the rest of the crew was moved to a different block.

Following the helicopter application, I developed a raspy throat that lasted about three hours. I was not asked by my supervisors if I was feeling sick. The irritation went away after the three hours and I did not notify the supervisor afterwards nor did I seek medical attention. I was fine the rest of the day.

At approximately 12:40 p.m., Pimentel spoke with _____ in Spanish. _____ said the following in summary:

I am an employee of Dominguez Farms and on June 26 I arrived at the West Garlinger Front Ranch to begin work at 5:30 a.m. Our task for the day was "pinching" broccolini so I wore my everyday clothing that consists of an apron, sleeve covers, long sleeve shirt, water-resistant boots, and a hat. After I got ready for work, I entered the field and got out right away as I saw a helicopter applying pesticides in a field ahead of the block we were scheduled to work in. I did not smell anything unusual in the air. I don't recall the supervisor asking if anyone had symptoms. I felt fine with no issues.

At approximately 12:45 a.m., I spoke with _____ in Spanish. _____ said the following in summary:

I have been working for Dominguez Farms for the previous three years and I was working for them on June 26. I arrived at the West Garlinger Front Ranch at 5:30 a.m. and parked next to the block scheduled to be worked in. Once parked, I stepped outside of the car and noticed there was a helicopter application in front of us. I did not go inside the field but waited outside of the block and watched the helicopter for five minutes.

During this time there were some women that notified the supervisor that they were not feeling well. I personally developed a sore throat that lasted a few hours. I was not asked by the supervisors if I was feeling okay. My sore throat was gone by the end of the day and did not return. I did not seek medical attention, nor did I notify my supervisor.

At approximately 12:45 p.m., Pimentel spoke with [redacted] in Spanish. [redacted] said the following in summary:

I am an employee of Dominguez Farms and on June 26 I arrived to begin work at 5:30 am. Our task for the day was “pinching” broccolini so I wore my everyday clothing that consists of an apron, sleeve covers, long sleeve shirt, water-resistant boots, a bandana as a face cover, and a hat. Once ready, I entered the field to work and that’s when I noticed the helicopter arrived and started applying pesticides in the field directly in front of me. I immediately exited the field and waited outside of it. There was an unusual smell in the air that I cannot explain. The supervisor asked everyone if they were experiencing symptoms. I was fine with no issues.

At approximately 12:50 a.m., I spoke with [redacted] in Spanish. [redacted] said the following in summary:

I work for Dominguez Farms and I was working on June 26. I arrived at the West Garlinger Front Ranch at approximately 5:00 a.m. When I arrived, I did not see anything unusual and did not see any applications around. I put on my gloves, boots and apron when I noticed the helicopter was applying pesticides in front of the block scheduled to be worked. I did not enter the field but rather waited outside the field next to the bathrooms.

Four ladies reported that they did not feel well and one of the supervisors made sure they were taken to the doctor. I was not asked if I had any symptoms, but I did develop nausea following the application. My nausea lasted a few hours and went away after a few hours and once I had eaten. The nausea was not severe, so I did not seek medical attention, nor did I notify my supervisor.

At approximately 1:00 p.m., Pimentel and I confirmed we interviewed every worker available and proceeded back to the commissioner’s office.

On July 12, I contacted PCA [redacted] and asked him what the process and expectations are for Christensen and Giannini pertaining to posting treated fields. [redacted] stated that all fields get posted regardless of REI. [redacted] stated that Blocks 33 and 37 the helicopter treated on June 26 were posted by the irrigation crew the night before the application.

On July 18 at approximately 3:10 p.m., I spoke with [redacted] said the following in summary:

I am one of the head supervisors for Christenson and Giannini and oversee the West Garlinger Front Ranch. For this site we have PCA [redacted] who advises what pesticides we apply and when to apply them. [redacted] and I have a good communication system. [redacted] visits the ranch site three times a week, normally Mondays, Wednesdays, and Fridays. He looks at all the blocks and communicates with me what needs to be sprayed. [redacted] informs me what he is planning for the week and together we come up with a plan as to what days we can spray. We take into consideration the weather, and

field conditions, and make a schedule for the current week and plan for the next. I make sure to communicate with _____ who works for Mann Packing, and inform him of the scheduled applications and insure there are no farm labor crews scheduled to work the area.

On the June 26 application, I communicated with _____ that there was going to be an application done on Blocks 33 and 37 by helicopter at 5:30 a.m. and he understood. He stated that the crew would not be in the area until 7:00 a.m. If I recall correctly, the farm labor crew was supposed to work Block 41 until 7:00 a.m., and then work the blocks closer to the application later.

Our policy is to post every treated block regardless of the REI. The pesticide signs are placed the night prior to the scheduled application by _____ who is the irrigator foreman. _____ works evenings and is available to post the signs. I follow through with _____ directly and tell him what blocks to post as well as the REI, so he knows when to take the signs down. We normally leave the signs posted longer than the REI by a few hours. I was not aware of the incident with the crew working June 26 until a few days ago when _____ informed me about it.

At approximately 3:20 p.m., I spoke with _____ said the following in summary:

I am the head irrigator for Christensen and Giannini West Garlinger Front Ranch. I set the pesticide posting signs on all the fields that are going to be treated. The ranch manager, _____ lets me know ahead of time what fields are going to be treated and I make sure to personally post those fields the night before the application. I work in the evenings from approximately noon to 10:00 p.m. and I begin posting signs in the late afternoon for jobs that will go the following morning. I am also in charge of taking those signs down as well.

Typically, the signs will remain up for at least 24 hours although most of the pesticides have eight- or 12-hour REIs. If the job is done in the morning, I will not take the signs down until the following day. I posted the signs for the field that was treated on June 26, on June 25 at approximately 8:00 p.m. and took the signs down on June 27 around noon.

On July 22 at 11:00 a.m., I called Dominguez Farms and asked if the field worker training records were available yet. _____ stated that the person in charge of giving me that information was not in the office and she would work on obtaining the information herself. _____ also stated that _____ is no longer employed by Dominguez Farms and has not returned to work since June 26.

On July 24 at 9:30 a.m., I visited Natividad Medical Hospital and picked up the Medical Records for the three workers I had Medical Authorizations for; _____ ([Attachment 8](#)), _____ ([Attachment 9](#)), and _____ ([Attachment 10](#)).

On July 29 at 1:30 p.m., I received training records from Dominguez Farms ([Attachment 11](#)), and work history records for the crew for the 10 days prior to June 26 ([Attachment 12](#)).

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The training records provided are dated June 27, 2019; January 11, 2019; and November 27, 2018. The training for June 27 included all the workers from June 26 who were to “pinch” broccolini; however, the training was conducted the day after the incident. The previous two trainings include only 13 of the 40 employees on the crew who were to “pinch” broccolini on June 26.

I cross referenced Dominguez Farms’ work history with PUR’s for each site and determined, from all previous worksites, the last time the crew worked in a treated field (prior to June 26) was on June 25, when they worked on Block 32B of Christensen and Giannini’s West Garlinger Front Ranch. PUR data shows on June 7, 2019 at 12:15 a.m., Christensen and Giannini completed an application of Sequoia (EPA Registration No. 62719-623-ZA), Admire Pro (EPA Registration No. 264-827-ZA), Cormoran (EPA Registration No. 66222-264-AA), and LI 700 (CA Registration No. 34704-50035-AA) to Block 32 ([Attachment 13](#)).

On August 1, I emailed _____ as well as _____ requesting training records showing all the field workers in question had received pesticide safety training in 2019 prior to working in a treated field.

On August 6, I printed the weather data for June 26 from CIMIS Station #214 from CIMIS ([Attachment 14](#)). I highlighted the data for 5:00 a.m. and 6:00 a.m.

On August 8 at 10:45 a.m., I contacted Dominguez Farms and asked to speak to _____ or _____ I was informed by _____ that neither was available.

At 10:50 a.m., I contacted _____ on his personal cell phone and asked if he received my email pertaining to new training records. _____ stated that he forwarded the email to _____ and she oversees getting the information.

On August 11, I requested approved labels for Zampro Fungicide and Trigard Fungicide from the Department of Pesticide Regulation Label Resource Center. I received the labels later that same day ([Attachment 15](#)) and ([Attachment 16](#)). I reviewed the labels and compared them to the Wilbur-Ellis: Salinas completion records, and CIMIS Station #214 weather data for June 26. Each pesticide has a 12-hour restricted entry interval (REI). According to the Monterey County Posting Regulation, no pesticide warning signs would have been required for the June 26 applications that took place on Blocks 33 and 37 of the West Garlinger Front Ranch. No other label or regulation violations were found.

I created a spreadsheet with columns showing: the fieldworker’s names; if they smelled an odor; what illness symptoms they had; if they reported symptoms to a supervisor; if they were asked if they had symptoms; if they were taken to the emergency room; if we were provided training records for that individual; and what the date of the training was (prior to the incident) ([Attachment 17](#)).

On August 12 at 11:45 a.m., I spoke with _____ over the phone. _____ stated she was out of the office the previous week and will provide me the requested training records by the end of the workday.

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On February 12, 2020 at 11:20 a.m. I called [redacted] and left a voicemail requesting him to give me a call back.

At 11:25 a.m. I called Dominguez Farms' office and spoke to [redacted]. I informed [redacted] that I did not receive trainings for several workers present on June 26, 2019. I requested [redacted] provide me with any other trainings that included the remaining crew workers.

On February 13 at 10:06 a.m. I spoke to [redacted] over the phone. I informed [redacted] that I was missing training records for several workers. I asked [redacted] if his crew supervisors are still working for him. He stated that [redacted] is still with the company, but [redacted] no longer works for them. [redacted] then asked me to email him the request for any training records from June 26, 2018 to June 26, 2019 for the employees who worked on the day of the incident.

At 10:35 a.m. I spoke to [redacted] said the following in summary:

Crew Foreman [redacted] and I made sure to ask every worker if they felt bad and if they wanted to go to the doctor. When the crew did not want to go inside the field, I began asking them how they were feeling and if they wanted to seek medical attention. Between [redacted] and I we covered the entire crew. Everyone stated that only the girls felt bad, and the four ladies were the only ones that stated they did not feel good and that they wished to seek medical attention.

I don't know why some workers would have stated to you that they did not get asked. I made sure to ask everybody. I believe the way that I asked the crew was effective. I have no problem with taking people to seek medical attention. I want to make sure the crew is safe. I would not only just take four workers to the doctor, if someone else would have said they felt sick I would have taken them as well but no one else stated they felt sick. The remaining crew began working that day and no one stated they felt sick.

Since the day of the incident we have been making sure that every new person is trained before they begin working as well as do crew trainings every few months. [redacted] does all our trainings. On the day of the incident I do not know if every worker was trained, it is possible that some might not have been. Currently [redacted] no longer works for us, he left the company in November.

On February 25 Allen obtained a map created by GIS Analyst [redacted] that shows for June 26, 2019, the location and distances between the Dominguez Farms "pinching" crew and the Wilbur-Ellis: Salinas helicopter application, the flight path of the helicopter, and the wind speed and direction according to CIMIS Station #214 ([Attachment 18](#)).

CONCLUSION

On June 26, 2019 at 5:30 a.m., when Wilbur-Ellis: Salinas pesticide applicator [redacted] began applying Zampro Fungicide, and Trigard to spinach on Blocks 33 and 37 of the West Garlinger

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Front Ranch, a crew of Dominguez Farms fieldworkers were located a minimum of 660 feet from the application site. They were scheduled to work in Block 36B that morning.

Data from the CIMIS weather station #214 indicates that Block 36B was located downwind of Block 33, and a portion of Block 37, during the time Wilbur-Ellis: Salinas was making their aerial pesticide application on June 26. The area northeast of Blocks 32 and 36 where the fieldworkers parked their cars, and where most stated they congregated during the application, was not directly downwind, but was more at an angle. The wind speed was just over 4 miles per hour.

Within 20 minutes of the application commencing, while waiting by their cars, several members of the crew smelled an odor, and some experienced symptoms of nausea, weakness, headaches, eye irritation, and throat irritation. Of the 34 crew members interviewed;

- 18 told us they smelled an odor;
- 11 told us they experienced illness symptoms, but did not notify their superior;
- 20 told us they did not experience illness symptoms;
- 3 told us they experienced illness symptoms, notified their superior, and were provided medical attention;
- 17 told us they were asked by their superior if they were experiencing illness symptoms;
- 8 told us they don't recall if a superior asked them if they were experiencing illness symptoms;
- 7 told us they were not asked if they were experiencing illness symptoms;
- 2 we interviewed who stated they did not experience illness symptoms did not state whether or not they had been asked if they were experiencing illness symptoms;
- None of the crew told us they saw pesticides drifting towards them from the Wilbur-Ellis: Salinas application;
- None of the crew told us they felt pesticides contacting their person from the Wilbur-Ellis: Salinas application.

The helicopter application complied with the Zampro Fungicide, Trigard product labels, and regulations. No violations for Wilbur-Ellis: Salinas were found.

Dominguez Farms Supervisor _____ stated between himself, and crew foreman _____ all crew members were asked if they had illness symptoms, and only the four individuals who ultimately were taken to Natividad Medical Center said they did. _____ stated if any other crew members said they had illness symptoms he would have assured they were taken to emergency medical care immediately.

By failing to immediately take all employees to a physician when reasonable to suspect they are experiencing, or may experience, a pesticide illness, Dominguez Farms violated 3 CCR section 6766(c).

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Dominguez Farms was never able to provide me with training records for 27 of the fieldworkers who worked in a treated field on June 25 to prove they had received annual pesticide safety training.

By failing to assure that each employee assigned to work in a treated field received pesticide safety training within the last 12 months, Dominguez Farms violated 3 CCR section 6764.

The violations found during this investigation are being evaluated. Once determined, Monterey County will pursue the appropriate enforcement response in accordance with 3 CCR section 6128.

ATTACHMENTS

1. Witness List
2. West Garlinger Front Ranch Block ID and Permit Maps
3. Wilbur-Ellis: Salinas PURs
4. Crew Roster Sheets
5. Map Showing Crew Location
6. Wilbur-Ellis: Salinas Completion Records
7. Block ID Map Showing Mix Load Site
8. Medical Records
9. Medical Records
10. Medical Records
11. Dominguez Farms Training Records
12. Dominguez Farms Work History
13. Block 32 PUR
14. CIMIS 214 Report
15. Zampro Fungicide Pesticide Label
16. Trigard Pesticide Label
17. Symptoms Chart
18. GIS Map Created by Gomes

Jose Guzman/Agricultural Inspector Biologist
REPORT PREPARED BY (NAME/TITLE)

February 24, 2020
DATE PREPARED

Ken Allen/Deputy Agricultural Commissioner
REPORT REVIEWED BY (NAME/TITLE)

February 28, 2020
DATE REVIEWED

WITNESS LIST

Attachment 1

**Dominguez Farms
Farm Labor Contractor FLC#000181661
818 Oak Ave
Greenfield, CA 93927**

Managers and Supervisors

Owner
() -

Safety Coordinator

Crew Supervisor

Crew Foreman

Crew

Wilbur Ellis – Salinas
1427 Abbott St
Salinas, CA 93901

Aerial Application Manager

Aerial Application Supervisor

Pilot Applicator

Mix and Loader

Christensen and Giannini
1588 Moffett Street, Suite B
Salinas, CA 93905

Ranch Supervisor

Pest Control Adviser

Lead Irrigator

Mann Packing
Mann Packing Co., Inc.
PO Box 690
Salinas, CA 93902-0690

Broccoli Supervisor

DOMINGUEZ FARMS

818 Oak Avenue
Greenfield, CA 93927
Phone: 831-674-1825 Fax: 831-674-1815

Date _____

Grower _____

Morning Period _____ to _____

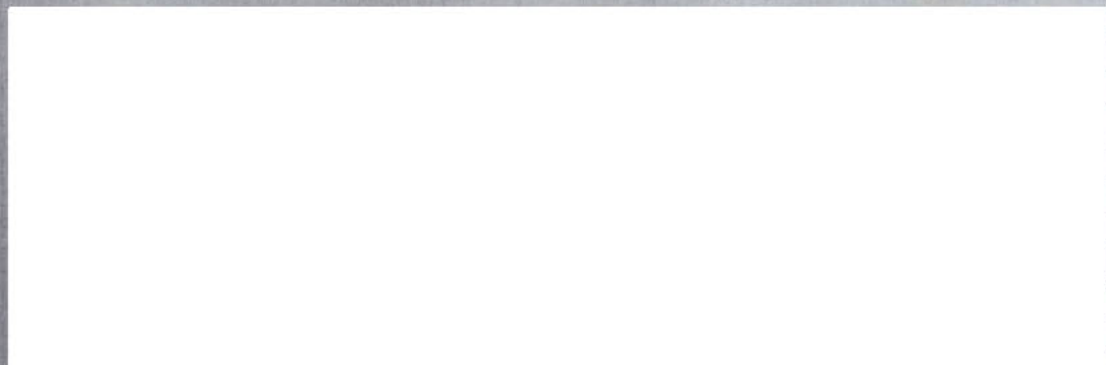
Lunch Period _____ to _____

Afternoon Period _____ to _____

Crew # _____

Foreman _____ Emp. # _____

RANCH	SECTION	BLOCK	TYPE OF LABOR	START	STOP	HRS	RATE



11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

By signing above I agree that the above time on this time card is true and correct and I took the lunch and break that is mandatory.
Al firmar la hoja de tiempo estoy de acuerdo de que trabaje las horas anotadas y que tome el lonch y o break.

33.2

WEST GARLINGER FRONT RANCH (R33)

N

CHRISTENSEN & GIANNINI
1777 OLD STAGE RD., SALINAS, CA 93908

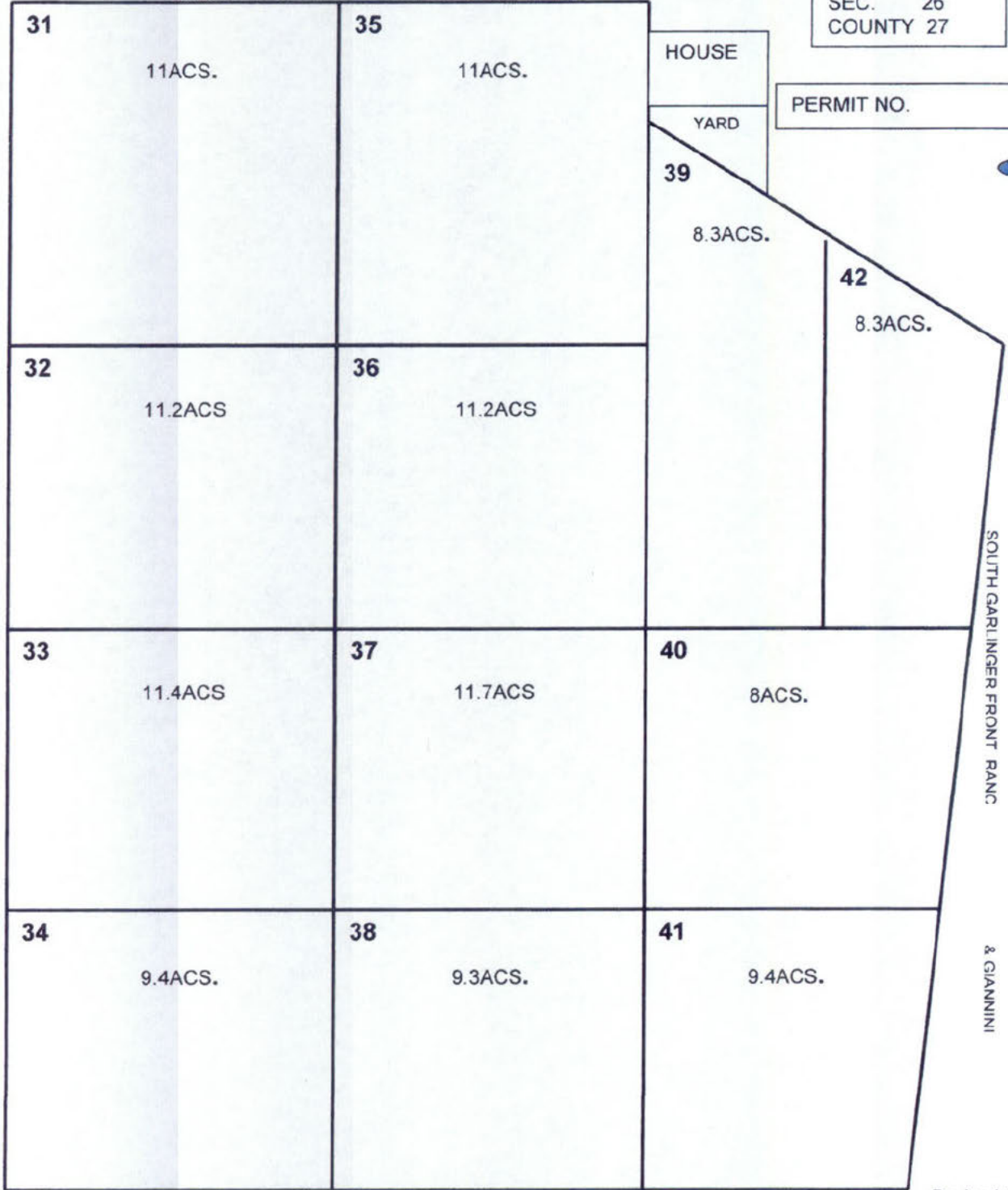
120.2 Acres Net

GARLINGER 171 RANCH CHRISTENSEN & GIANNINI

NORTH GARLINGER FRONT RANCH CHRISTENSEN & GIANNINI

SITE	33
TOWN	15S
RANGE	4E
BASE	M
SEC.	26
COUNTY	27

PERMIT NO.

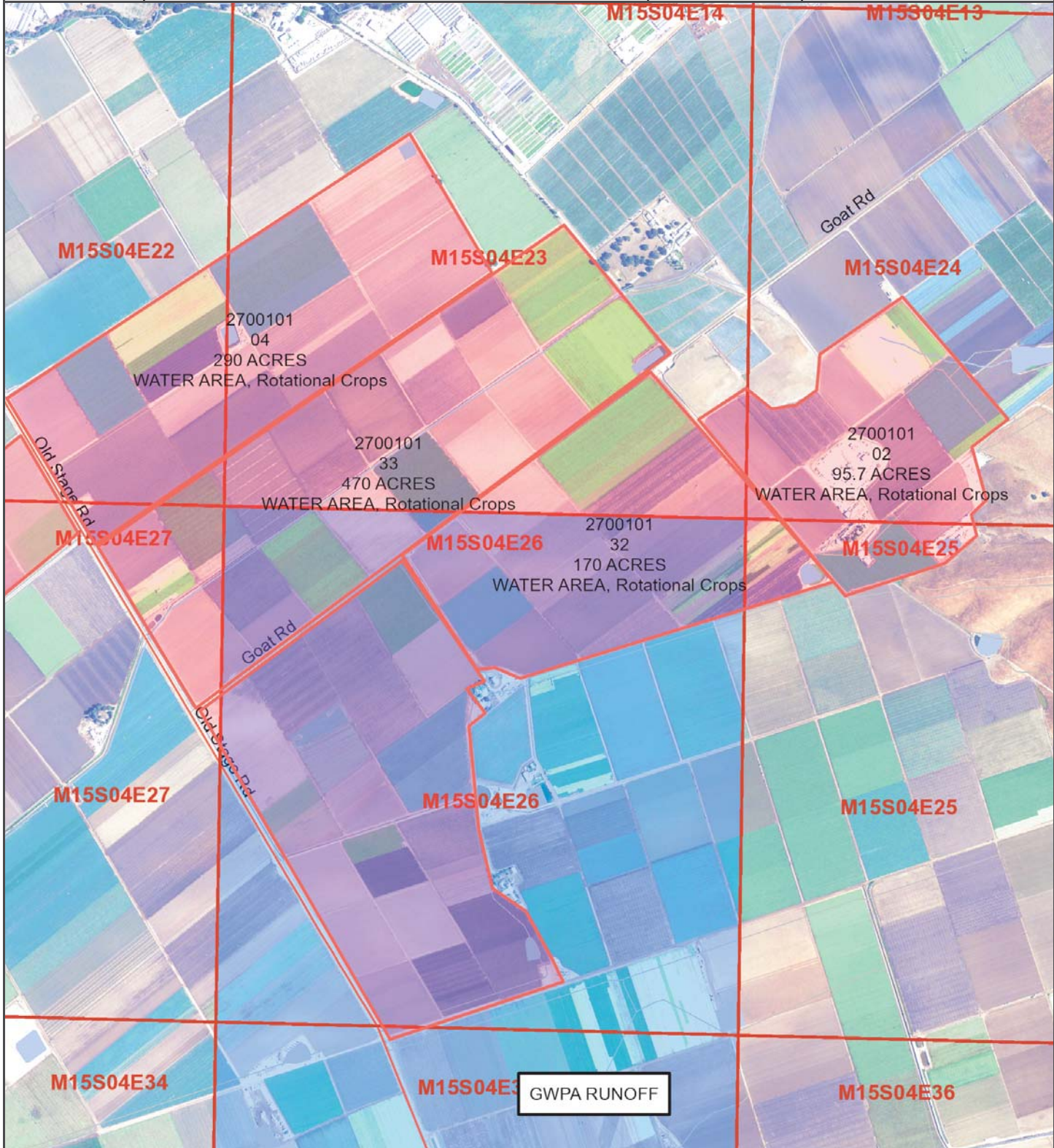


Revised 12-20-2017

CONFIDENTIAL



Monterey County	Permit Number: 2700101
	Created On: 1/13/2020
GARLINGER FRONT RANCH, GARLINGER 171, CHULAR RANCH	Operator: CHRISTENSEN & GIANNINI, LLC
SITES 02, 32, & 33	



Included Sites:	02, 32, 33	
-----------------	------------	--

WEST GARLINGER FRONT RANCH (R33)

33

N

CHRISTENSEN & GIANNINI
1777 OLD STAGE RD., SALINAS, CA 93908

120.2 Acres Net

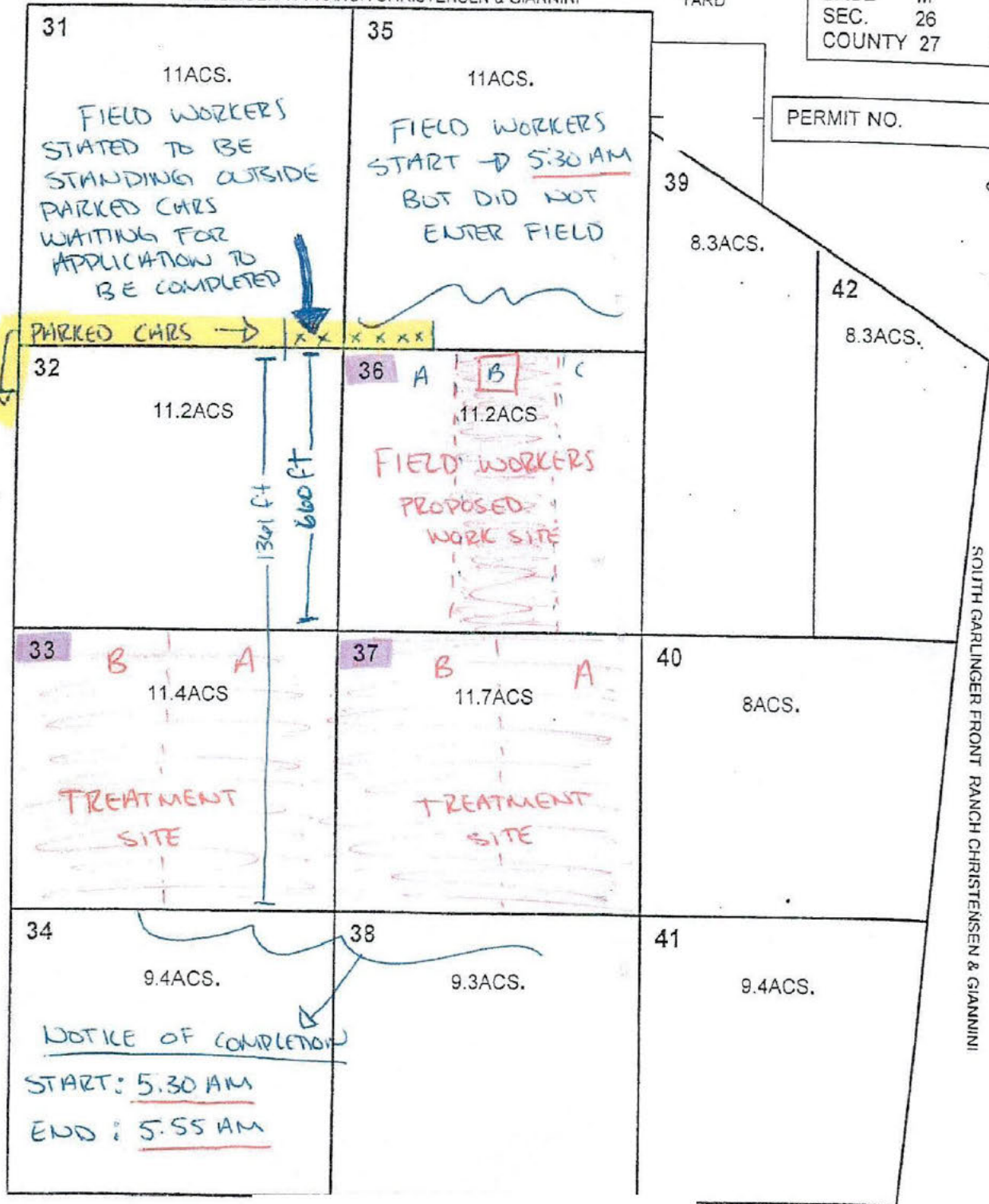
GARLINGER 171 RANCH CHRISTENSEN & GIANNINI

SITE	33
TOWN	15S
RANGE	4E
BASE	M
SEC.	26
COUNTY	27

PERMIT NO. _____

NORTH GARLINGER FRONT RANCH CHRISTENSEN & GIANNINI

SOUTH GARLINGER FRONT RANCH CHRISTENSEN & GIANNINI



WEST GARLINGER FRONT RANCH (R33)

33

N

CHRISTENSEN & GIANNINI
1777 OLD STAGE RD., SALINAS, CA 93908

120.2 Acres Net

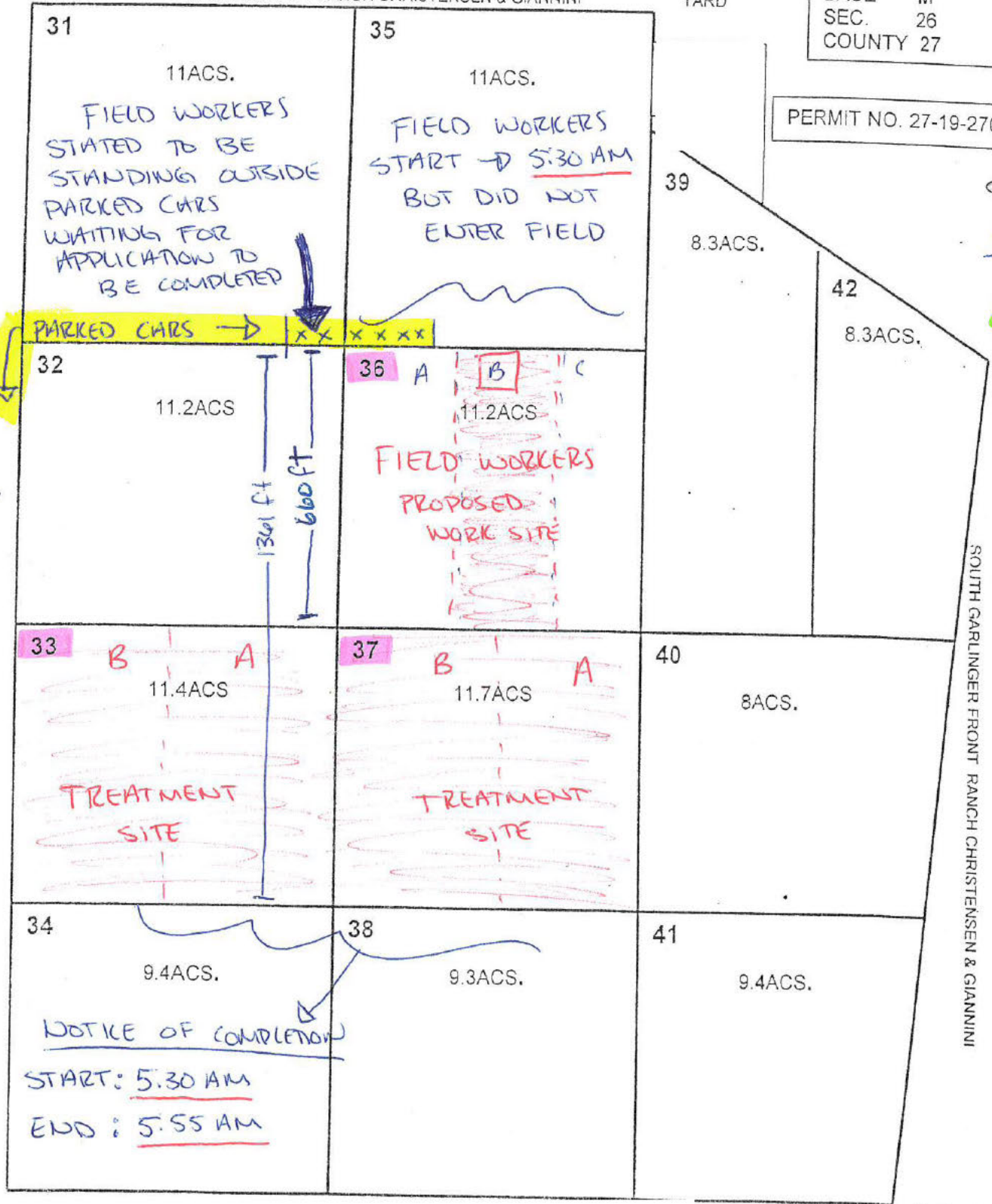
GARLINGER 171 RANCH CHRISTENSEN & GIANNINI

SITE	33
TOWN	15S
RANGE	4E
BASE	M
SEC.	26
COUNTY	27

PERMIT NO. 27-19-2700101

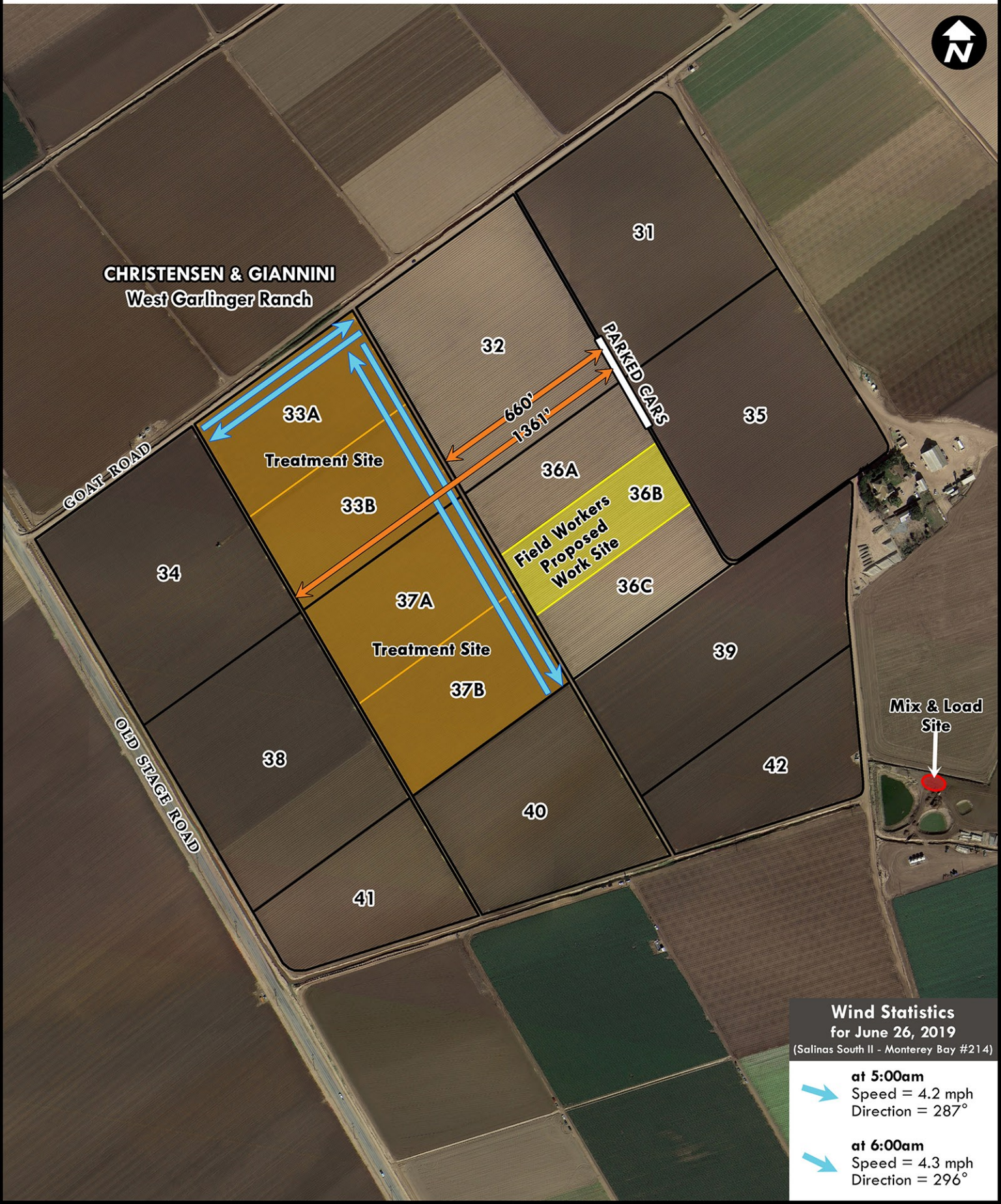
NORTH GARLINGER FRONT RANCH CHRISTENSEN & GIANNINI

SOUTH GARLINGER FRONT RANCH CHRISTENSEN & GIANNINI



← Application Flight Path

Map Produced: February 25, 2020



CHRISTENSEN & GIANNINI
West Garlinger Ranch

GOAT ROAD

OLD STAGE ROAD

PARKED CARS

Treatment Site

Field Workers
Proposed
Work Site

Mix & Load
Site

Wind Statistics for June 26, 2019

(Salinas South II - Monterey Bay #214)

at 5:00am
Speed = 4.2 mph
Direction = 287°

at 6:00am
Speed = 4.3 mph
Direction = 296°

Pesticide Use Report

Report Status: Accepted by DPR
 Submittal Status: Submitted to DPR

1/2/2020 4:35 PM

Permittee/Permit Operator CHRISTENSEN & GIANNINI, LLC					Operator ID/Permit Number		Document number 1264315		
County No 27	Section 26	Township 15S	Range 04E	Meridian M	App Method/Fume Code Air			Commercial Applicator (if any) WILBUR-ELLIS: SALINAS P.O. BOX 3650	
Site Identification Number 33033A				Planted Area - Units 470 ACRES			SALINAS CA 93912		
Location GARLINGER FRONT RANCH					Block ID				
Date/Time Applied 6/26/2019 5:42 AM		Treated Area - Units 6 ACRES			Commodity Treated 13024 SPINACH				
Days Re-entry		Days Pre-harvest		Applied/Supervised By					

Chem #	Product	Label #	Total Product Used	Rate	Dilution
1	ZAMPRO FUNGICIDE	7969-302-AA	84 Ounce	14 OZ/A	
2	TRIGARD	66222-272-AA	0.99 Pounds	0.16 LB/A	

Pesticide Use Report

Report Status: Accepted by DPR
 Submittal Status: Submitted to DPR

1/2/2020 4:35 PM

Permittee/Permit Operator CHRISTENSEN & GIANNINI, LLC					Operator ID/Permit Number		Document number 1264316		
County No 27	Section 26	Township 15S	Range 04E	Meridian M	App Method/Fume Code Air			Commercial Applicator (if any) WILBUR-ELLIS: SALINAS P.O. BOX 3650	
Site Identification Number 33033B				Planted Area - Units 470 ACRES			SALINAS CA 93912		
Location GARLINGER FRONT RANCH					Block ID				
Date/Time Applied 6/26/2019 5:55 AM		Treated Area - Units 5.4 ACRES			Commodity Treated 13024 SPINACH				
Days Re-entry		Days Pre-harvest		Applied/Supervised By					

Chem #	Product	Label #	Total Product Used	Rate	Dilution
1	ZAMPRO FUNGICIDE	7969-302-AA	75.6 Ounce	14 OZ/A	
2	TRIGARD	66222-272-AA	0.89 Pounds	0.16 LB/A	

Pesticide Use Report

Report Status: Accepted by DPR
 Submittal Status: Submitted to DPR

6/26/2019 10:41 AM

Permittee/Permit Operator CHRISTENSEN & GIANNINI, LLC					Operator ID/Permit Number		Document number 1264313		
County No 27	Section 26	Township 15S	Range 04E	Meridian M	App Method/Fume Code Air			Commercial Applicator (if any) WILBUR-ELLIS: SALINAS P.O. BOX 3650	
Site Identification Number 330000				Planted Area - Units 470 ACRES			SALINAS CA 93912		
Location GARLINGER FRONT RANCH					Block ID				
Date/Time Applied 6/26/2019 5:35 AM		Treated Area - Units 6 ACRES			Commodity Treated 13024 SPINACH				
Days Re-entry		Days Pre-harvest		Applied/Supervised By					

Chem #	Product	Label #	Total Product Used	Rate	Dilution
1	ZAMPRO FUNGICIDE	7969-302-AA	84 Ounce		
2	TRIGARD	66222-272-AA	0.99 Pounds		

Pesticide Use Report

Report Status: Accepted by DPR
 Submittal Status: Submitted to DPR

1/2/2020 4:35 PM

Permittee/Permit Operator CHRISTENSEN & GIANNINI, LLC					Operator ID/Permit Number		Document number 1264314		
County No 27	Section 26	Township 15S	Range 04E	Meridian M	App Method/Fume Code Air			Commercial Applicator (if any) WILBUR-ELLIS: SALINAS P.O. BOX 3650	
Site Identification Number 33037B				Planted Area - Units 470 ACRES			SALINAS CA 93912		
Location GARLINGER FRONT RANCH				Block ID		Pre-plant application No			
Date/Time Applied 6/26/2019 5:40 AM		Treated Area - Units 5.4 ACRES			Commodity Treated 13024 SPINACH				
Days Re-entry		Days Pre-harvest		Applied/Supervised By					

Chem #	Product	Label #	Total Product Used	Rate	Dilution
1	ZAMPRO FUNGICIDE	7969-302-AA	75.6 Ounce	14 OZ/A	
2	TRIGARD	66222-272-AA	0.89 Pounds	0.16 LB/A	

Pesticide Use Report

Report Status: Accepted by DPR
 Submittal Status: Submitted to DPR

6/7/2019 9:31 AM

Permittee/Permit Operator CHRISTENSEN & GIANNINI, LLC					Operator ID/Permit Number		Document number	
County No 27	Section 26	Township 15S	Range 04E	Meridian M	App Method/Fume Code Ground			Commercial Applicator (if any) Grower Applied
Site Identification Number 330032				Planted Area - Units 470 ACRES				
Location GARLINGER FRONT RANCH					Block ID		Pre-plant application No	
Date/Time Applied 6/7/2019 12:15 AM		Treated Area - Units 2.2 ACRES			Commodity Treated 13005 BROCCOLI			
Days Re-entry		Days Pre-harvest		Applied/Supervised By				

Chem #	Product	Label #	Total Product Used	Rate	Dilution
1	SEQUOIA	62719-623-ZA	4.4 Ounce		
2	ADMIRE PRO SYSTEMIC PROTECTANT	264-827-ZA	2.86 Ounce		
3	CORMORAN	66222-264-AA	26.4 Ounce		
4	LI 700	34704-50035-AA	0.55 Pint		



Product Use Report / Notice of Completion



33-1777 OLD STAGE RD GARLINGER FRONT RANCH / 0037 / 037A
 Christensen & Giannini 19-Salinas - CA, 330000 Spinach 1264313 CC-2246708.2 PO#: A20996
 OLD STAGE GARLINGER FRONT RANCH CC-2246708.AE

Branch Address & Ph. Salinas - CA, 1427 Abbott St, Salinas, CA, 93901, 831-676-0527	PCA Info External PCA Lic#: 999 BITTERWATER ROAD, KING CITY, CA, 93930, US,	Location Area 6 Acres STR 26 15, S 04, E Centroid	Surrounding Crops N: NE: E: SE: S: SW: W: NW:
Farming Method Conventional	Applicator Info WILBUR-ELLIS - SALINAS		
County Monterey	1427 Abbott St Salinas, CA 93901, US Ph.:		
Grower Info GIANNINI / DAORO, Default NG User			
Permit: Christensen & Giannini 19-Salinas - CA, 1588 Moffett Street, Ste B, Salinas, CA, 93905, 831-449-2494			

Appl. Mtd. Broadcast-Air	Apply To Full Cover	Row & Band (ft)	Appl. Tmg.	Spray Vol. 20 gpa	Nozzle	Droplet	Target Pres. 0 PSI	REI 12.00 Hours	PHI 7.00 Day(s)
-----------------------------	------------------------	-----------------	------------	----------------------	--------	---------	-----------------------	-----------------------	-----------------------

Product	Mfr./AI	Pest	Supplier	Rate	Total Prod.
Phosgard 0-28-25 Zampro® fungicide EPA Reg. #07969-00302-AA-00000	JH Biotech BASF Ag Products AMETOCTRADIN, DIMETHOMORPH	DOWNY MILDEW	Crop Care	4 Pt/Tr Ac	3 GA
Trigard® EPA Reg. #66222-00272-AA-00000	ADAMA CYROMAZINE	LEAFMINER	Crop Care	2.66 Oz/Tr Ac	0.99 LB

Applicator, Operator Loader/Handler	Start Date End Date 6/26/2019 5:30 AM	Acres	Hum. %	Wind Speed/Dir Min - Max Dir Degree	Temperature Min - Max	Equipment Details	Water Source	Application Notes
	6/26/2019 5:35 AM	6				Helicopter: 10	SALINAS	

Supervisor (Commercial Applicator)/Supervisor License: 075379
 Restrictions:

Notes:
 N: SPIANCH S: BROCCOLI E: BROCCOLI W: BROCCOLI
 REC #56417, BILL FRESH FARMS, P.O.#A20996, NO POST, SALINAS AIR
 PCA.



Product Use Report / Notice of Completion



33-1777 OLD STAGE RD GARLINGER FRONT RANCH / 0037 / 037B
 Christensen & Giannini 19-Salinas - CA, 330000 Spinach
 OLD STAGE GARLINGER FRONT RANCH

Doc ID: 1264314
 Rec.No: CC-2246730.2
 PO#: A20997

Event Title: CC-2246730.AE

Branch Address & Ph.
 Salinas - CA, 1427 Abbott St, Salinas, CA, 93901, 831-676-0527

Farming Method
 Conventional

County
 Monterey

Grower Info
 GIANNINI / DAORO, Default NG User
 Permit:
 Christensen & Giannini 19-Salinas - CA, 1588 Moffatt Street, Ste B, Salinas, CA, 93905, 831-449-2494

PCA Info
 External PCA
 Lic#: 999 BITTERWATER ROAD, KING CITY, CA, 93930, US,

Applicator Info
 WILBUR-ELLIS - SALINAS

1427 Abbott St
 Salinas, CA 93901, US
 Ph.:

Location Area
 5.4 Acres
 STR
 26 15, S 04, E
 Centroid

Surrounding Crops
 N:
 NE:
 E:
 SE:
 S:
 SW:
 W:
 NW:

Appl. Mtd.	Apply To	Row & Band (ft)	Appl. Tmg.	Spray Vol.	Nozzle	Droplet	Target Prs.	REI	PHI
Broadcast-Air	Full Cover			20 gpa			0 PSI	12.00 Hours	7.00 Day(s)

Product	Mfr./AI	Pest	Supplier	Rate	Total Prod.
Phosgard 0-28-25 Zampro® fungicide EPA Reg. #07969-00302-AA-00000 Trigard® EPA Reg. #66222-00272-AA-00000	JH Biotech BASF Ag Products AMETOCTRADIN, DIMETHOMORPH ADAMA CYROMAZINE	DOWNY MILDEW LEAFMINER	Crop Care Crop Care Crop Care	4 Pt/Tr Ac 14 Oz/Tr Ac 2.66 Oz/Tr Ac	2.7 GA 75.6 OZ 0.89 LB

Applicator, Operator Loader/Handler	Start Date End Date	Acres	Hum. %	Wind Speed/Dir Min - Max Dir Degree	Temperature Min - Max	Equipment Details	Water Source	Application Notes
	6/26/2019 5:36 AM	5.4				Helicopter: 10	SALINAS	
	6/26/2019 5:40 AM							

Supervisor (Commercial Applicator)/Supervisor License:

Restrictions:

Notes:

**N: SPINACH S: SPINACH E: BROCCOLI W: BROCCOLI / RT RSCH
 REC #56418, BILL FRESH FARMS, P.O. #A20997, NO POST, SALINAS AIR
 PCA-**

Product Label(s) are available upon request from your Wilbur-Ellis Salesperson or from CDMS.NET

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Product Use Report / Notice of Completion



WILBUR-ELLIS

33-1777 OLD STAGE RD GARLINGER Site ID Commodity (Crop or Site) Doc ID Rec.No. Event Title
 FRONT RANCH / 0033 / 033A
 Christensen & Giannini 19-Salinas - CA, 330000 Spinach 1264315 CC-2246662.2 CC-2246662.AE
 OLD STAGE GARLINGER FRONT RANCH PO#: A20994

Branch Address & Ph. Salinas - CA, 1427 Abbott St, Salinas, CA, 93901, 831- 876-0527	PCA Info External PCA Lic#: 999 BITTERWATER ROAD, KING CITY, CA, 93930, US,	Location Area 6 Acres STR 26 15, S 04, E Centroid	Surrounding Crops N: NE: E: SE: S: SW: W: NW:
Farming Method Conventional	Applicator Info WILBUR-ELLIS - SALINAS		
County Monterey	1427 Abbott St Salinas, CA 93901, US Ph.:		
Grower Info GIANNINI / DAORO, Default NG User Permit: Christensen & Giannini 19- Salinas - CA, 1588 Moffett Street, Ste B, Salinas, CA, 93905, 831-449-2494			

Appl. Mtd.	Apply To	Row & Band (ft)	Appl. Trng.	Spray Vol.	Nozzle	Droplet	Target Pres.	REI	PHI
Broadcast-Air	Full Cover			20 gpa			0 PSI	12.00 Hours	7.00 Day(s)

Product	Mfr./AI	Pest	Supplier	Rate	Total Prod.
Phosgard 0-28-25 Zampro® fungicide EPA Reg. #07969-00302-AA- 00000 Trigard® EPA Reg. #66222-00272-AA- 00000	JH Biotech BASF Ag Products AMETOCTRADIN, DIMETHOMORPH ADAMA CYROMAZINE	DOWNY MILDEW LEAFMINER	Crop Care Crop Care Crop Care	4 Pt/Tr Ac 14 Oz/Tr Ac 2.66 Oz/Tr Ac	3 GA 84 OZ 0.89 LB

Applicator, Operator Loader/Handler	Start Date End Date 6/26/2019 5:42 AM	Acres	Hum. %	Wind Speed/Dir Min - Max Dir Degree	Temperature Min - Max	Equipment Details	Water Source	Application Notes
	6/26/2019 5:45 AM	6				Helicopter: 10	SALINAS	

Supervisor (Commercial Applicator)/Supervisor License:

Restrictions:

Notes:

N: SPINACH S: SPINACH E: BROCCOLI W: BROCCOLI / RT - RSCH
 REC #56415, BILL FRESH FARMS, P.O. #A20994, NO POST, SALINAS AIR
 PCA-

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Product Use Report / Notice of Completion



WILBUR-ELLIS

33-1777 OLD STAGE RD GARLINGER Site ID Commodity (Crop or Site) Doc ID Rec.No. Event Title
 FRONT RANCH / 0033 / 033B
 Christensen & Giannini 19-Salinas - CA, 330000 Spinach 1264316 CC-2246685.2 CC-2246685.AE
 OLD STAGE GARLINGER FRONT RANCH PO#: A20995

Branch Address & Ph. Salinas - CA, 1427 Abbott St, Salinas, CA, 93901, 831-676-0527	PCA Info External PCA Lic#: 999 BITTERWATER ROAD, KING CITY, CA, 93930, US,	Location Area 5.4 Acres STR 26 15, S 04, E Centroid	Surrounding Crops N: NE: E: SE: S: SW: W: NW:
Farming Method Conventional	Applicator Info WILBUR-ELLIS - SALINAS		
County Monterey	Lic#: 1427 Abbott St Salinas, CA 93901, US		
Grower Info GIANNINI / DAORO, Default NG User Permit: Christensen & Giannini 19-Salinas - CA, 1588 Moffett Street, Ste B, Salinas, CA, 93905, 831-449-2494	Ph.:		

Appl. Mtd.	Apply To	Row & Band (ft)	Appl. Tmg.	Spray Vol.	Nozzla	Droplet	Target Prs.	REI	PHI
Broadcast-Air	Full Cover			20 gpa			0 PSI	12.00 Hours	7.00 Day(s)

Product	Mfr./AI	Pest	Supplier	Rate	Total Prod.
Phosgard 0-28-25 Zampro® fungicide EPA Reg. #07969-00302-AA-00000 Trigard® EPA Reg. #66222-00272-AA-00000	JH Biotech BASF Ag Products AMETDCTRADIN, DIMETHOMORPH ADAMA CYROMAZINE	DOWNY MILDEW LEAFMINER	Crop Care Crop Care Crop Care	4 Pt/Tr Ac 14 Oz/Tr Ac 2.66 Oz/Tr Ac	2.7 GA 75.6 OZ 0.89 LB

Applicator, Operator Loader/Handler	Start Date End Date 6/26/2019 5:46 AM 6/26/2019 5:55 AM	Acres	Hum. %	Wind Speed/Dir Min - Max Dir Degree	Temperature Min - Max	Equipment Details	Water Source	Application Notes
		5.4				Helicopter: 10	SALINAS	

Supervisor (Commercial Applicator)/Supervisor License:

Restrictions:

Notes:

N: ROAD S: SPINACH E: BROCCOLI W: BROCCOLI
REC #56416, BILL FRESH FARMS, P.O.#A20995, NO POST, SALINAS AIR
PCA- / RT - RSCH

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Name	Smelled Odor	Symptoms	Reported	Was Asked	Taken to ER	Training Provided?	Date of Training
	No	None	N/A	Unknown	No	Yes	11/27/2018
	Yes	None	N/A	Yes	No		
	Yes	Itchy Skin: Dizziness: Nausea: Weak	Yes	Yes	Yes		
	Yes	Dizziness	No	Doesn't Recall	No	Yes	1/11/2019
	Yes	Nausea	No	Doesn't Recall	No	Yes	1/11/2019
	Yes	Swollen Eyes: Nausea: Eyes Burning	Yes	Yes	Yes	Yes	1/11/2019
	Unknown	Unavailable for Interview	Unknown	Unknown	No	Yes	1/11/2019
	Yes	None	N/A	Yes	No		
	No	None	N/A	Yes	No		
	Unknown	Unavailable for Interview	Unknown	Unknown	No		
	Unknown	Unavailable for Interview	Unknown	Unknown	No		
	Unknown	Taken To Doctor/ Unavailable for Interview/ Reported Underage	Unknown	Unknown	Yes	Yes	1/11/2019
	Yes	None	N/A	Yes	No		
	Unknown	Sore Throat	No	No	No		
	Yes	Throat Irritation	No	Doesn't Recall	No	Yes	1/11/2019
	No	None	N/A	No	No	Yes	1/11/2019
	Yes	Pulsating Nose: Nausea: Headache	Yes	Yes	Yes		
	Yes	Nausea	No	Doesn't Recall	no		
	No	Headache: Sore Throat	No	No	no		
	Yes	None	N/A	Yes	no		
	No	None	N/A	Yes	no	Yes	1/11/2019
	Yes	Throat Irritation	No	Doesn't Recall	no		
	No	None	N/A	Yes	no		

Yes	Throat Irritation: Nausea	No	Doesn't Recall	no		
Yes	Itchy Skin: Face Swelling	No	Doesn't Recall	no		
No	None	N/A	Yes	no		
No	None	N/A	No	no		
Yes	None	N/A	No	no		
Unknown	Unavailable for Interview	Unknown	Unknown	no		
No	None	N/A	Unknown	no	Yes	11/27/2018
Yes	None	N/A	Yes	no		
No	None	N/A	Yes	no		
No	Throat Irritation	No	No	no	Yes	1/11/2019
No	None	N/A	Yes	no		
Yes	None	N/A	Yes	no		
No	Nausea	No	No	no		
No	None	No	Doesn't Recall	no		
Unknown	Unavailable for Interview	Unknown	Unknown	no	Yes	1/11/2019
No	None	N/A	Yes	no	Yes	1/11/2019
Yes	None	N/A	Yes	no		

California Irrigation Management Information System (CIMIS)

CIMIS Hourly Report

Rendered in ENGLISH Units.

Wednesday, June 26, 2019 - Wednesday, June 26, 2019

Printed on Tuesday, August 6, 2019

Salinas South II - Monterey Bay - Station 214

Date	Hour (PST)	ETo (in)	Precip (in)	Sol Rad (Ly/day)	Vap Pres (mBars)	Air Temp (°F)	Rel Hum (%)	Dew Point (°F)	Wind Speed (mph)	Wind Dir (0-360)	Soil Temp (°F)
6/26/2019	0100	0.00	0.00	0	13.9	56.6	89	53.3	4.8	311	71.0
	0200	0.00	0.00	0	13.6	55.8	90	52.8	4.4	312	70.3
	0300	0.00	0.00	0	13.5	55.3	91	52.6	4.0	304	69.7
	0400	0.00	0.00	0	13.7	55.3	92	53.0	4.0	292	69.1
	0500	0.00	0.00	2	13.9	55.9	91	53.4	4.2	287	68.6
	0600	0.00	0.00	64	14.0	56.4	90	53.6	4.3	296	68.1
	0700	0.00	0.00	260	14.4	57.8	88	54.2	4.3	311	67.7
	0800	0.01	0.00	650	14.6	60.0	83	54.8	4.6	332	67.5
	0900	0.02	0.00	1277	15.1	62.4	78	55.6	4.9	345	67.5
	1000	0.02	0.00	1602	14.9	66.1	68	55.3	4.8	331	67.7
	1100	0.02	0.00	1848	14.6	68.9	61	54.8	5.3	332	68.2
	1200	0.03	0.00	1982	15.1	69.4	61	55.6	6.0	325	69.2
	1300	0.03	0.00	2011	15.5	69.7	63	56.4	6.2	322	70.7 Y
	1400	0.03	0.00	1920	15.7	69.8	63	56.7	6.5	323	72.4 Y
	1500	0.02	0.00	1702	16.0	69.6	65	57.1	6.7	328	74.1 R
	1600	0.02	0.00	1436	15.7	67.9	67	56.6	6.7	322	-- S
	1700	0.01	0.00	894	15.0	65.1	71	55.5	6.3	327	-- S
	1800	0.01	0.00	672	14.3	64.0	70	54.1	5.4	328	-- S
	1900	0.00	0.00	305	13.3	62.8	68	52.1	5.1	321	-- S
	2000	0.00	0.00	30	13.0	60.1	73	51.4	4.9	328	-- S
	2100	0.00	0.00	0	13.1	59.1	77	51.8	4.9	326	74.6 R
	2200	0.00	0.00	0	13.2	59.3	77	52.0	4.0	325	73.7 R
	2300	0.00	0.00	0	13.1	59.1	76	51.7	4.3	328	72.9 Y
	2400	0.00	0.00	0	12.8	58.2	77	51.1	3.8	315	72.2 Y
Tots/Avg		0.22	0.00	694	14.3	61.9	76	54.0	5.0	319.6	70.3

Flag Legend		
A - Historical Average	I - Ignore	R - Far out of normal range
C or N - Not Collected	M - Missing Data	S - Not in service
H - Hourly Missing or Flagged Data	Q - Related Sensor Missing	Y - Moderately out of range
Conversion Factors		
Ly/day/2.065=W/sq.m	inches * 25.4 = mm	(F-32) * 5/9 = c
mph * 0.447 = m/s	mBars * 0.1 = kPa	--

Zampro®

Group 45 | 40 Fungicide

Fungicide

For disease control in the following crops: Brassica leafy vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, grapes, hops, leafy vegetables, and potato

Active Ingredients:

ametoctradin*: 5-ethyl-6-octyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine 26.9%
dimethomorph**: 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine 20.2%

Other Ingredients: 52.9%
Total: 100.0%

* Equivalent to 2.5 pounds ametoctradin per gallon
** Equivalent to 1.88 pounds dimethomorph per gallon

EPA Reg. No. 7969-302

EPA Est. No. is indicated by the fifth letter of the code printed on this container:
L = 5905-GA-001 CJ = 70815-GA-001

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See inside for additional **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty,** and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

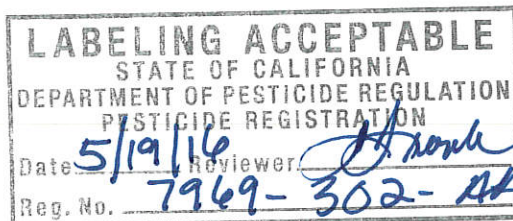
Net Contents: 140 fluid ounces

81064952 NVA 2016-05-360-0076
Product of Brazil and India

Produced for:
BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



ACTUAL SIZE



FIRST AID

If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • DO NOT induce vomiting unless told to do so by a poison control center or doctor. • DO NOT give anything to an unconscious person.
If on skin	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes; then continue rinsing. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, natural rubber (includes natural rubber blends and laminates) \geq 14 mils, polyethylene, polyvinyl chloride (PVC) \geq 14 mils, or viton \geq 14 mils
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

DO NOT apply directly to water, areas where surface water is present, or intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Groundwater

Ametoctradin and its degradates have properties and characteristics associated with chemicals detected in groundwater. These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water

Ametoctradin and its degradates may impact surface water quality through spray and runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. Ametoctradin and its degradates are classified as having high-to-medium potential for reaching surface water via runoff for several weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of ametoctradin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**.

(continued) 3

AGRICULTURAL USE REQUIREMENTS

(continued)

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, made of any waterproof material (such as nitrile, butyl, neoprene, and/or barrier laminate)
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, well-ventilated area. **DO NOT** allow to become overheated in storage. Keep container closed when not in use.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling

Nonrefillable Container. **DO NOT** reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity \leq 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(continued)

STORAGE AND DISPOSAL

(continued)

Container Handling (continued)

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Steps to take if material is released or spilled:

- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Product Information

This package contains **Zampro® fungicide**, a suspension concentrate (SC) with two active ingredients, ametoctradin and dimethomorph. The active ingredients in **Zampro** belong to two classes of fungicides with different modes of action. Preventive applications optimize disease control. To maximize disease control, apply **Zampro** in a regularly scheduled protective spray program and use in a rotation program with other fungicides.

Zampro is not for use in greenhouse or transplant production.

Mode of Action

Zampro contains two active ingredients, ametoctradin and dimethomorph. Ametoctradin, a strong inhibitor of mitochondrial respiration in complex III (cytochrome bc₁) of Oomycetes fungi, is classified as a **Group 45** fungicide. Dimethomorph belongs to the group of cell-wall synthesis inhibitors and is classified as a **Group 40** fungicide.

Resistance Management

Zampro contains ametoctradin and dimethomorph, a premix of **Group 45** and **Group 40** fungicides, and is effective against pathogens resistant to fungicides with modes of action different from those of target site **Group 45** and **Group 40**.

Fungal isolates resistant to **Group 45** or **Group 40** fungicides may eventually dominate the fungal population if **Group 45** or **Group 40** fungicides are used predominantly and repeatedly in the same field in successive years as the primary method of control for the targeted pathogen species, especially if resistance to either **Group 45** or **Group 40** fungicides is already present in the pathogen population. This may result in reduction of disease control by **Zampro** or other **Group 45** or **Group 40** fungicides.

To maintain the performance of **Zampro** in the field, **DO NOT** exceed the total number of sequential applications of **Zampro** per year stated in the **Restrictions** section and **Table 2. Zampro® fungicide Crop-specific Requirements**. Adhere to the label instructions regarding the consecutive use of **Zampro** or other target-site-of-action **Group 45** or **Group 40** fungicides that have a similar site of action on the same pathogen.

Resistance Management Advisory

The following recommendations may be considered to delay the development of fungicide resistance:

1. **Tank mixtures** - Use tank mixtures with effective fungicides from different target-site-of-action groups that are registered/permited for the same use and that are effective against the pathogens of concern. Use at least the minimum labeled rates of each fungicide in the tank mix.
2. **IPM** - Integrate **Zampro® fungicide** into an overall disease and pest management program. Follow cultural practices known to reduce disease development. Consult your local extension specialist, certified crop advisor and/or BASF representative for additional IPM strategies established for your area. **Zampro** may be used in agricultural extension advisory (disease forecasting) programs, which recommend application timing based on environmental factors favorable for disease development.
3. **Monitoring** - Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen and record other factors that may influence fungicide performance and/or disease development. If a **Group 45** or **Group 40** target site fungicide, such as **Zampro**, appears to be less effective against a pathogen that it previously controlled or suppressed, contact a BASF representative, local extension specialist, or certified crop advisor for further investigation.

Application Instructions

Apply rates of **Zampro** as instructed in **Table 2. Zampro® fungicide Crop-specific Requirements**. Apply **Zampro** with ground sprayer, aerial equipment or through sprinkler or drip irrigation equipment. Check equipment frequently for calibration.

Under low-level disease conditions, use the minimum application rates; use maximum application rates and shortened spray schedules for severe or threatening disease conditions. Maximum benefit of **Zampro** requires thorough coverage.

Cleaning Spray Equipment

Spraying equipment must be cleaned thoroughly before and after applying this product, particularly if a product with potential to injure crops was used before **Zampro**.

Ground Application

Apply **Zampro** in sufficient water to ensure thorough coverage of foliage, blooms, and fruit. Thorough coverage is required for optimum disease control. Unless otherwise specified in this label, use no less than 20 gallons of spray solution per acre.

Instructions for Directed or Banded Crop Sprays

The application rates shown in **Table 1. Zampro® fungicide Restrictions Overview** and **Table 2. Zampro® fungicide Crop-specific Requirements** pertain to both aerial and ground (broadcast) methods of application. **Zampro** may also be applied as a directed or banded spray over the rows or plant beds, with alleys or row middles left unsprayed. For such uses, reduce the rate of **Zampro** in proportion to the area sprayed. Make this adjustment to prevent applying the product at use rates higher than permitted on this label.

The following formula may be used to determine the broadcast-equivalent rate for directed or banded sprays:

$$\begin{array}{r} \text{sprayed bed} \\ \text{width} \end{array} + \begin{array}{r} \text{unsprayed} \\ \text{row middles} \\ \text{width} \end{array} = \begin{array}{r} \text{total row} \\ \text{width} \end{array}$$
$$\frac{\text{sprayed bed width in inches}}{\text{total row width in inches}} \times \frac{\text{broadcast rate}}{\text{treated acre}} = \frac{\text{band rate}}{\text{field acre}}$$

Example: A directed spray application will be made to 45-inch plant beds separated by 15 inches of unsprayed row middles.

$$\begin{array}{r} 45 \text{ inches} \\ \text{sprayed bed} \\ \text{width} \end{array} + \begin{array}{r} 15 \text{ inches} \\ \text{unsprayed} \\ \text{row middles} \end{array} = \begin{array}{r} 60 \text{ inches} \\ \text{total row width} \end{array}$$

Calculations for the appropriate equivalent rate of product to use in this situation based on a label broadcast rate of 12 fl ozs/acre are:

$$\frac{\begin{array}{r} 45 \text{ inches} \\ \text{sprayed bed} \\ \text{width} \end{array}}{\begin{array}{r} 60 \text{ inches} \\ \text{total row width} \end{array}} \times \frac{\begin{array}{r} 12 \text{ fl ozs} \\ \text{Zampro} \\ \text{treated acre} \end{array}}{=} = \frac{\begin{array}{r} 9 \text{ fl ozs} \\ \text{Zampro} \\ \text{field acre} \end{array}}$$

Aerial Application

Use no less than 5 gallons of spray solution per acre to ensure thorough coverage of plant foliage. **DO NOT** apply when conditions favor drift from target area. Because complete coverage is important for effective disease control, aerial application may result in reduced control because of lack of canopy penetration and coverage.

Spray Drift Management

DO NOT spray when conditions favor drift beyond area intended for application. Conditions that may contribute to drift include thermal inversion, wind speed and direction, spray nozzle/pressure combinations, spray droplet size, temperature/humidity, etc. Contact your state extension agent for spray drift prevention guidelines in your area. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers. Avoiding spray drift at the application site is the responsibility of the applicator.

Aerial Application Methods and Equipment

The interaction of many equipment-related and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

DO NOT apply under circumstances where possible drift to unprotected persons, to food, forage, or other plantings that might be damaged, or crops thereof rendered unfit for sale, use, or consumption can occur.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements **DO NOT** apply to forestry applications, public health uses, or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the fixed wingspan or 90% of rotor-blade diameter.
2. Nozzles must always point backward parallel with the airstream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed.

The applicator should be familiar with and take into account the information covered in the aerial drift reduction advisory information.

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. Use the largest droplet size consistent with acceptable efficacy. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see **Wind**; **Temperature and Humidity**; and **Temperature Inversion**).

Controlling droplet size:

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - **DO NOT** exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid-stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Wind

Drift potential is lowest when wind speed does not exceed 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

Low humidity and high temperatures increase the evaporation of spray droplets and, therefore, the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures. When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversion

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing that causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions because of the light, variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light-to-no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. bodies of water or nontarget crops) is minimal and when wind is blowing away from the sensitive areas.

Directions For Use Through Sprinkler or Drip Irrigation Systems

Sprayer Preparation

Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

Application Instructions

Apply **Zampro**® fungicide at rates and timings as required in this label.

Use Precautions for Sprinkler or Drip Irrigation Applications

- Apply **Zampro** only through sprinkler or drip irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set or hand move irrigation systems. **DO NOT** apply this product through any other type of irrigation system.
- Add **Zampro** to the pesticide supply tank containing sufficient water to maintain a continuous flow by the injection equipment. In continuous moving systems, inject this product-water mixture continuously, applying the labeled rate per acre for that crop. **DO NOT** exceed 1/2 inch

(13,577 gallons) per acre. In stationary or noncontinuous moving systems, inject the product-water mixture in the last 15 to 30 minutes of each set allowing sufficient time for all of the required pesticide to be applied by all the sprinkler heads and applying the labeled rate per acre for that crop. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. Thorough coverage of foliage, crown or roots is required for good control. Maintain good agitation during the entire application period.

- Contact a state extension service specialist, equipment manufacturers or other experts for calibration questions.
- The system must contain a functional check valve, vacuum-relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or, in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Additives and Tank Mixing Information

Zampro® fungicide can be tank mixed with most recommended fungicides, insecticides, herbicides, liquid fertilizers,

biological control products, adjuvants, and additives as specified in **Table 2. Zampro® fungicide Crop-specific Requirements**.

The use of additives or adjuvants may improve the performance of **Zampro**. However, all varieties and cultivars have not been tested with possible tank mix combinations. Local conditions can also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, or crop injury may result from mixing **Zampro** with other products. Therefore, before using any tank mix (fungicides, insecticides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives), test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

When an adjuvant (or a specific adjuvant product, such as a drift control agent) is to be used with this product, BASF recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant.

Consult a BASF representative or local agricultural authorities for more information concerning additives.

Mixing Instructions

Fill the spray tank until it is approximately 1/2 full with clean water. Shake the **Zampro** container well; then slowly add **Zampro** to the spray tank while agitating. Agitation must be engaged before adding the product to obtain a complete and uniform mixture of **Zampro**.

Limit the amount of spray mixture prepared to that needed for immediate use.

Mixing Order

Maintain constant agitation throughout mixing and application.

1. **Water** - Begin by agitating a thoroughly clean sprayer tank 3/4 full of clean water.
2. **Inductor** - If an Inductor is used, rinse it thoroughly after each component has been added.
3. **Products in PVA bags** - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water-dispersible products** (such as **Zampro**, dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
5. **Water-soluble products**

6. **Emulsifiable concentrates** (such as oil concentrates when applicable)
7. **Water-soluble additives** (such as ammonium sulfate [AMS] or urea ammonium nitrate [UAN] when applicable)
8. **Remaining quantity of water**
- Make sure each component is thoroughly mixed and suspended before adding tank mix partners. See **Table 2. Zampro® fungicide Crop-specific Requirements** for more details.

Restrictions

- **DO NOT** exceed the maximum annual use rate, the maximum rate per application, or the total number of applications of **Zampro** per year as stated in **Table 2. Zampro® fungicide Crop-specific Requirements**. Preharvest Interval (PHI) restrictions are also included in this table.
- **DO NOT** use **Zampro** in greenhouse or transplant production.
- **Tank Mixtures** - When tank mixing, observe the most restrictive tank mix limitations and precautions of all products used in the tank mixture.
- **Zampro** is not for sale, distribution, or use in Nassau and Suffolk counties in New York State.

- **Crop Rotation Restrictions - After making the last Zampro application**, rotational crops may be planted at the following intervals:

Anytime

Brassica leafy vegetables
Bulb vegetables
Cucurbit vegetables
Fruiting vegetables
Hops
Leafy vegetables
Potatoes
Tomatoes

14 days

Strawberry

30 days

Barley
Corn
Oats
Rice
Root/tuber vegetables
(such as carrot, radish, and sugar beet)
Rye
Sorghum
Wheat

90 days

All other crops

Table 1. Zampro® fungicide Restrictions Overview*

Crop Group**	Maximum Product Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Brassica Leafy Vegetables Group	14	2	42	0
Bulb Vegetables Group	14	2	42	0
Cucurbit Vegetables Group	14	2	42	0
Fruiting Vegetables Group	14	2	42	4
Grapes	14	2	56	14
Hops	14	2	40	7
Leafy Vegetables Group	14	2	42	0
Potato	14	2	42	4

* See **Table 2. Zampro® fungicide Crop-specific Requirements** for complete directions.

** For a complete list of crops within a crop group, see **Table 2. Zampro® fungicide Crop-specific Requirements**.

Table 2. Zampro® fungicide Crop-specific Requirements

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Brassica Leafy Vegetables Group Head and Stem Broccoli Brussels sprouts Cabbage Cauliflower Cavalo broccolo Chinese broccoli (Gai lan) Chinese cabbage (Napa) Chinese mustard cabbage (Gai choy) Kohlrabi Leafy Broccoli raab (Rapini) Chinese cabbage (Bok choy) Collards Kale Mizuna Mustard greens Mustard spinach Rape greens	Downy mildew (<i>Peronospora parasitica</i>)	14	2	42	0

Application Directions. Begin applications of **Zampro** before disease development and continue on a 7-day interval. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **Zampro** per year.

DO NOT make more than two (2) sequential applications of **Zampro** before alternating to a labeled fungicide with a different mode of action.

(continued)

Table 2. Zampro® fungicide Crop-specific Requirements *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Bulb Vegetables Group Garlic Garlic, great-headed Leek Onion, dry bulb Onion, green Onion, Welsh Shallot	Downy mildew (<i>Peronospora destructa</i>)	14	2	42	0

Application Directions. Begin applications of **Zampro** before disease development and continue on a 5-day to 7-day interval. Use the shorter interval when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **Zampro** per year.

DO NOT make more than two (2) sequential applications of **Zampro** before alternating to a labeled fungicide with a different mode of action.

(continued)

Table 2. Zampro® fungicide Crop-specific Requirements (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Cucurbit Vegetables Group includes all types and hybrids of: Cantaloupe Chayote Chinese waxgourd Citron melon Cucumber Edible gourds Gherkin Muskmelon Pumpkin Summer squash Watermelon Winter squash Zucchini Momordica spp. (includes: Balsam apple Balsam pear Bitter melon Chinese cucumber)	Downy mildew (<i>Pseudoperonospora cubensis</i>) Phytophthora blight or Crown rot (<i>Phytophthora capsici</i>)	14	2	42	0

Application Directions. Begin applications of Zampro before disease development and continue on a 5-day to 7-day interval. Use the shorter interval when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

For control of Phytophthora blight or crown rot caused by *Phytophthora capsici*: Begin applications of Zampro before disease development and continue on a 5-day to 7-day interval. Use the shorter interval when disease pressure is high. The addition of a spreading or penetrating adjuvant is recommended to improve disease control.

Apply Zampro at planting as a preventive drench treatment for control of the soilborne disease Phytophthora blight caused by *Phytophthora capsici*. Thorough coverage and wetting of the root zone and the crown and base of the plant is necessary for best control. Use enough solution to wet the root zone of the plant. Zampro may be applied at specified rates using sprinkler or drip irrigation (see **Use Precautions for Sprinkler or Drip Irrigation Applications** section). The level and consistency of *Phytophthora capsici* control from soil/drip line applications varies with the soil type, level of inoculum, irrigation volumes, environment, and other factors. See your local BASF representative for details on drip irrigation use in your area.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of Zampro per year.

DO NOT make more than two (2) sequential applications of Zampro before alternating to a labeled fungicide with a different mode of action.

Table 2. Zampro® fungicide Crop-specific Requirements (continued)

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Fruiting Vegetables Group Eggplant Ground cherry Peppino Pepper (all varieties) Tomatillo Tomato	Late blight (<i>Phytophthora infestans</i>) Phytophthora blight or Crown rot (<i>Phytophthora capsici</i>)	14	2	42	4

Application Directions. Begin applications of **Zampro** before disease development and continue on a 5-day to 7-day interval. Use the shorter interval when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

Spray volume should be proportional to the amount of plant tissue to be covered such that 100 gallons of spray per acre are used on mature plants.

For control of Phytophthora blight or crown rot caused by *Phytophthora capsici*: Begin applications of **Zampro** before disease development and continue on a 5-day to 7-day interval. Use the shorter interval when disease pressure is high. The addition of a spreading or penetrating adjuvant is recommended to improve disease control.

Apply **Zampro** at planting as a preventive drench treatment for control of the soilborne disease *Phytophthora* blight caused by *Phytophthora capsici*. Thorough coverage and wetting of the root zone and the crown and base of the plant is necessary for best control. Use enough solution to wet the root zone of the plant. **Zampro** may be applied at specified rates using sprinkler or drip irrigation (see **Use Precautions for Sprinkler or Drip Irrigation Applications** section). The level and consistency of *Phytophthora capsici* control from soil/drip line applications varies with the soil type, level of inoculum, irrigation volumes, environment, and other factors. See your local BASF representative for details on drip irrigation use in your area.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **Zampro** per year.

DO NOT make more than two (2) sequential applications of **Zampro** before alternating to a labeled fungicide with a different mode of action.

(continued)

Table 2. Zampro® fungicide Crop-specific Requirements *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Grapes	Downy mildew (<i>Plasmopara viticola</i>)	11 to 14	2	56	14

Application Directions. Begin applications of Zampro before disease development and continue on a 7-day to 10-day interval. Use the higher rate and shorter interval when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than four (4) applications of Zampro per year.

DO NOT make more than two (2) sequential applications of Zampro before alternating to a labeled fungicide with a different mode of action.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Hops	Downy mildew (<i>Pseudoperonospora humuli</i>)	11 to 14	2	40	7

Application Directions. Begin applications of Zampro before disease development and continue on a 10-day interval. Use the higher rate when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of Zampro per year.

DO NOT make more than two (2) sequential applications of Zampro before alternating to a labeled fungicide with a different mode of action.

(continued)

Table 2. Zampro® fungicide Crop-specific Requirements *(continued)*

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Leafy Vegetables Group (except Brassica Vegetables) Amaranth Arugula Cardoon Celery Celery, Chinese Caltuce Chervil Chrysanthemum, edible-leaved Chrysanthemum, garland Corn salad Cress, garden Cress, upland Dandelion Dock (Sorrel) Endive (Escarola) Fennel, Florence (Finocchio) Lettuce, head Lettuce, leaf Orach Parsley Purslane, garden Purslane, winter Radicchio (Red chicory) Rhubarb Spinach Spinach, New Zealand Spinach, vine Swiss chard	Downy mildew (<i>Bremia lactuca</i>)	14	2	42	0

(continued)

Table 2. Zampro® fungicide Crop-specific Requirements *(continued)*

Leafy Vegetables Group (except Brassica Vegetables) *(continued)*

Application Directions. Begin applications of **Zampro** before disease development and continue on a 7-day interval. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **Zampro** per year.

DO NOT make more than two (2) sequential applications of **Zampro** before alternating to a labeled fungicide with a different mode of action.

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Year (fl ozs/A)	Minimum Time from Application to Harvest (PHI) (days)
Potato	Late blight <i>(Phytophthora Infestans)</i>	11 to 14	2	42	4

Application Directions. Begin applications of **Zampro** before disease development and continue on a 5-day to 7-day interval. Use the higher rate and shorter interval when disease pressure is high. The addition of a spreading/penetrating adjuvant is recommended to improve disease control performance. See **Additives and Tank Mixing Information** and **Mixing Order** sections. Consult local late blight advisory system recommendations to determine the predicted levels of disease pressure and recommended spray interval. Apply spray to obtain thorough and complete plant coverage.

May be applied after vine kill.

Resistance Management. To limit the potential for development of resistance, **DO NOT** make more than three (3) applications of **Zampro** per year.

DO NOT make more than two (2) sequential applications of **Zampro** before alternating to a labeled fungicide with a different mode of action.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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Supersedes: NVA 2012-04-360-0144
Supplemental: NVA 2015-04-360-0133

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



We create chemistry

NOTES

NOTES

NOTES

Group 45 40 Fungicide

Zampro®

Fungicide

For disease control in the following crops: Brassica leafy vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, grapes, hops, leafy vegetables, and potato

Active Ingredients:

ametoctradin*: 5-ethyl-6-octyl[1,2,4]triazolo[1,5-a]	
pyrimidin-7-amines.....	26.9%
dimethomorph**: 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine.....	20.2%
Other Ingredients:	52.9%
Total:	100.0%

* Equivalent to 2.5 pounds ametoctradin per gallon

** Equivalent to 1.88 pounds dimethomorph per gallon

EPA Reg. No. 7969-302

EPA Est. No. is indicated by the fifth letter

of the code printed on this container;

L = 5905-GA-001 CJ = 70815-GA-001

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See attached booklet for additional First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to

Net Contents: 140 fluid ounces

Produced for:
BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

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swallow. **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. **DO NOT** give anything to an unconscious person. **If on skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. **If in eyes:** Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes; then continue rinsing. Call a poison control center or doctor for treatment advice. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice. **HOTLINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Environmental Hazards

DO NOT apply directly to water, areas where surface water is present, or intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. See attached booklet for **Groundwater and Surface Water** advisories.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, well-ventilated area. **DO NOT** allow to become overheated in storage. Keep container closed when not in use.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling

Nonrefillable Container. **DO NOT** reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities. See attached booklet for complete container handling directions including triple rinsing and pressure rinsing instructions.

81064952 NVA 2016-05-360-0076
Product of Brazil and India

Trigard[®]

Insecticide

For control of leafminers in Abyssinian and seakale cabbage, bulb vegetables, cucurbits, certain varieties of dried beans, Hanover salad, leafy vegetables including *Brassica*, succulent beans, peppers, tomatoes, and turnip greens and control of Colorado potato beetle and leafminer in potatoes.

ACTIVE INGREDIENT:	% BY WT.
Cyromazine (CAS No. 66215-27-8)	
2,4,6-triamine	75.0%
OTHER INGREDIENTS:	25.0%
TOTAL:	100.0%

Trigard Insecticide is a wettable powder.

EPA Reg. No. 66222-272

EPA Est. No. 067545-AZ-001

KEEP OUT OF REACH OF CHILDREN CAUTION

See additional precautionary statements and directions for use in booklet.

This outer protective container contains Trigard Insecticide in 6 small water-soluble packets. These packets and their contents dissolve in water. After opening outer container, immediately dump the required number of unopened packets into the partially filled sprayer or mix tank. Do not handle the soluble packets or expose them to moisture, since this may cause rupturing.

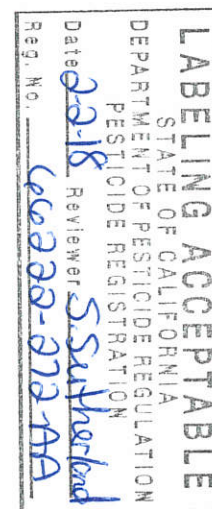
How can we help?
1-866-406-6262

GROUP 17 INSECTICIDE



INSECTICIDE

ADAMA



Product
File

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
For emergency medical treatment information call ProPharma 24 hours a day at 1-877-250-9291.	

In case of spills, fire, leaks or accidents call 1-800-535-5053.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material—Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinylchloride [PVC] or viton)
- Chemical-resistant footwear plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.

Ground Water Advisory

A metabolite of Trigard[®] Insecticide has been found in ground water, possibly as a result of agricultural use. Use of this product in areas where soils are permeable and water tables are shallow could result in leaching to ground water. Irrigation could increase the risk of contamination.

PROTECTION OF POLLINATORS

"Cyromazine acts as a growth regulator, affecting the molting process of target pests, and therefore, may have an effect on bee larvae, but not on adult bees. Exposure to adult bees, either through overspray or contact with residues may lead to effects to bee larvae."

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- o Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- o Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product, Applicators Should Take Steps To:

- o Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- o Minimize drift of this products on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at:

<http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: www.ogpca.org/officials.html. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and the Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ADAMA or Seller. All such risks shall be assumed by the Buyer and User, and Buyer and User agree to hold ADAMA and Seller harmless for any claims relating to such factors.

ADAMA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ADAMA, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, ADAMA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, in no event shall ADAMA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ADAMA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ADAMA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

ADAMA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of ADAMA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Trigard Insecticide must be used only as directed in accordance with recommendations on this label or in separately published ADAMA supplemental labeling recommendations for this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material—Category A (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinylchloride [PVC] or viton)
- Chemical-resistant footwear plus socks

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY AND/OR POOR INSECT CONTROL. NOT FOR SALE, SALE INTO, DISTRIBUTION AND/OR USE IN NASSAU AND SUFFOLK COUNTIES, NEW YORK.

GENERAL INFORMATION

Trigard Insecticide is a 75% wettable powder. When this product is mixed with water and applied according to the directions for use to the specified crops on this label, Trigard Insecticide will control the specified insects in the crops that are listed on this label.

Resistance Management

Trigard Insecticide is a Group 17 Insecticide (contains the active ingredient cyromazine). Because of the inherent risk of resistance development to any product, it is strongly advised that Trigard Insecticide be used in a sound resistance management program. Treatment may not be effective against labeled pests if Trigard Insecticide tolerant strains develop.

For plants that host a labeled pest with multiple generations per crop or year it is recommended to follow the following resistance management practices that may include, but are not limited to:

- Rotating Trigard Insecticide with products with different modes of action
- Avoiding treatment of successive generations with Trigard Insecticide
- Using labeled rates at specified spray intervals
- Using non-chemical alternatives such as beneficial arthropods
- Using various cultural practices such as rotating susceptible to non-susceptible plants

For additional information about implementing these or other resistance management practices, consult your local agricultural advisor or company representative.

MIXING AND APPLICATION INSTRUCTIONS

- 1) Thoroughly clean spray equipment before using this product.
- 2) Prepare no more spray mixture than is needed for the immediate operation.
- 3) Agitate spray mixture thoroughly before and during application. Good bypass agitation is sufficient to keep Trigard Insecticide thoroughly mixed.
- 4) Flush spray tank thoroughly with water daily after use and
- 5) Dispose of pesticide rinsate by application to an already treated area.

Trigard Insecticide Alone:

- 1) Add 2/3 of the required amount of water to the spray or mixing tank.
- 2) With the agitator running, drop the required number of **unopened** soluble packets of Trigard Insecticide into the tank. (One 2.66 oz. water-soluble packet of Trigard Insecticide will treat one acre).
- 3) Continue agitation while adding the remainder of the water.

Note

- Do not let spray mixture stand overnight in the spray tank. Rinse spray tank at the end of the day.
- To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, because crop injury may result.
- Use aerial applications only when conditions prevent application with ground equipment.
- When using ground application equipment direct the spray toward crop foliage.

Chemigation: Do not apply this product through any type of irrigation system.

Greenhouses: Do not use this product in greenhouses.

Spray Drift Requirements

Droplet Size

Use only medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

CROP USE DIRECTIONS

BEANS, DRIED VARIETIES EXCEPT COWPEAS AND SOYBEANS*

*Adzuki beans, black-eyed peas, broad beans (dry), catjang, chick peas, Crowder peas, field beans, garbanzo beans, grain lupin, guar, kidney beans, lablab beans, lentils, lima beans (dry), moth beans, mung beans, navy beans, pinto beans, rice beans, southern peas, tepary beans, sweet lupin, urd beans, wax beans, white lupin, white sweet lupin

For leafminer control:

- Apply 2.66 oz. (one packet) of Trigard Insecticide/A as a foliar spray when leafminers first appear.
- Apply with aircraft in a minimum of 5 gal. of water/A or with ground application equipment in a minimum of 10 gal. of water/A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.

Notes: To avoid possible illegal residues:

- Do not make more than 6 applications per crop of dry beans.
- Do not apply more than 1.0 lb. product per acre (0.75 lb. a.i./A) per season.
- Do not make the last application within 7 days of harvest. (7-day PHI)

BEANS, SUCCULENT

For leafminer control:

- Apply 2.66 oz. (one packet) of Trigard Insecticide/A as a foliar spray when leafminers first appear.
- Apply with aircraft in a minimum of 5 gal. of water/A, or apply with ground application equipment in a minimum of 10 gal. of water/A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.
- Do not make more than 6 applications to one crop of lima beans.
- Do not make the last application within 7 days of harvest. (7-day PHI).

Crop/Pest	Rate per Acre	Instructions
Succulent Beans Control of Leafminer Includes only: Bean (Phaseolus spp.) Broad bean, succulent Lima bean, green Runner bean Snap bean (green bean) Wax bean Bean (Vigna spp.) Asparagus bean Black-eyed pea Chinese longbean Cowpea Jackbean Moth bean Southern pea Yardlong bean	2.66 oz. (one packet)	Apply Trigard Insecticide as a foliar spray when leafminers first appear. Repeat application, as needed, to maintain control. (See Use Restrictions)

Use Restrictions – Succulent Beans

- **PHI:** Allow a minimum of 7 days between the last application and harvest.
- **Application Method:** Ground or aerial application equipment is permitted.
- **Amount of Water:** Apply with aircraft in a minimum of 5 gal. of water/A or with ground application equipment in a minimum of 10 gal. of water/A, using sufficient carrier to achieve adequate coverage.
- **Application Interval:** Allow a minimum of 7 days between applications.
- **Maximum Amount:** Do not apply more than 0.125 lb. a.i./A per 7-day interval. Do not apply more than 0.75 lb. a.i./A per crop season. Do not apply more than 6 times per crop season.

BRASSICA LEAFY VEGETABLES CROP GROUP*, ABYSSINIAN CABBAGE, SEAKALE CABBAGE, HANOVER SALAD, and TURNIP GREENS**

*Some of the crops in the Brassica Leafy Vegetables are: broccoli, broccoli raab (rapini), Brussels sprouts, cabbage, Chinese (bok choy) cabbage, Chinese broccoli, Chinese mustard cabbage (gai choy), Chinese (napa) cabbage, cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens

Note: **Turnip Greens (tops, leaves) only: For use on turnip varieties grown for leaves only. Do not use on turnip varieties grown for roots or dual-purpose varieties grown for roots and leaves.

For leafminer control:

- Apply 2.66 oz. (one packet) of Trigard Insecticide/A as a foliar spray when leafminers first appear.
- Apply with aircraft in a minimum of 5 gal. of water/A, or with ground application equipment in a minimum of 10 gal. of water/A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.

Notes: To avoid possible illegal residues:

- Do not make more than 6 applications to one crop of Brassica leafy vegetables, Abyssinian cabbage, seakale cabbage, Hanover salad, or turnip greens.
- Do not apply more than 1.0 lb. (0.75 lb. a.i./A) of product per season.
- Do not make the last application within 7 days of harvest. (7-day PHI).

BULB VEGETABLES CROP GROUP*

*Some of the crops in this group are: garlic, great-headed (elephant) garlic, leek, dry bulb onion, green onion, potato onion, tree onion, Welsh onion, rakkyo, and shallot.

For leafminer control:

- Apply 2.66 oz. (one packet) of Trigard Insecticide per acre as a foliar spray when leafminers first appear.
- Apply with aircraft in a minimum of 5 gal. of water/A or with ground application equipment in a minimum of 10 gal. of water/A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.

Notes: To avoid possible illegal residues:

- Do not make more than 6 applications to one crop of bulb vegetables.
- Do not make the last application within 7 days of harvest (or cutting). (7-day PHI)

CUCURBIT VEGETABLES CROP GROUP*

*Some of the crops in this group are: balsam pear (bitter melon), chayote (fruit), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, edible gourds, melons (including hybrids: cantaloupe, casaba, crenshaw, honeydew melons, honey balls, mango melon, muskmelon, Persian melon), pumpkin, summer squash, winter squash, and watermelon (including hybrids).

For leafminer control:

- Apply 2.66 oz. (one packet) of Trigard Insecticide/A as a foliar spray when leafminers first appear.
- Apply with aircraft in a minimum of 5 gal. of water/A, or with ground application equipment in a minimum of 10 gal. of water/A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.

Notes: To avoid possible illegal residues:

- Do not make more than 6 applications per growing season to cucurbits.
- Cucurbits may be harvested on the same day of the last application. (0-day PHI)

LEAFY VEGETABLES* (EXCEPT BRASSICA VEGETABLES) CROP GROUP

*Some of the crops in this group are: Amaranth, arugula, cardoon, celery, celtuce, chervil, Chinese celery, chrysanthemum (edible-leaved & garland), corn salad, cress (garden & upland), dandelion, dock, endive (escarole), Florence fennel (finocchio), lettuce (head & leaf), New Zealand spinach, orach, parsley, purslane (garden & winter), radicchio (red chicory), rhubarb, spinach, Swiss chard, and vine spinach

For leafminer control:

- Apply 2.66 oz. (one packet) of Trigard Insecticide /A as a foliar spray when leafminers first appear.
- Apply with aircraft in a minimum of 5 gal. of water /A, or with ground application equipment in a minimum of 10 gal. of water /A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.

Notes: To avoid possible illegal residues:

- Do not make more than 6 applications to one crop of celery or head lettuce.
- For all other leafy vegetable crops, do not make more than 5 applications per crop.
- Do not make the last application within 7 days of harvest. (7-day PHI)

PEPPERS

For leafminer control:

- Apply 2.66 oz. (one packet) of Trigard Insecticide/A as a foliar spray when leafminers first appear.
- Apply with aircraft in a minimum of 5 gal. of water /A, or with ground application equipment in a minimum of 10 gal. of water /A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.

Notes: To avoid possible illegal residues:

- Do not make more than 6 applications to one crop of peppers.
- Peppers may be harvested on the same day of the last application. (0-day PHI)

POTATOES

For Colorado potato beetle control:

- Trigard Insecticide is an insect growth regulator and is most effective for control of first and second instar larvae of Colorado potato beetles. Although larger larvae can be affected, treatment of early instars will give best control. Affected larvae may remain on the plant for several days after treatment, but immediately stop feeding.
- Trigard Insecticide does not control adult beetles.
- Apply 2.66 oz. (one packet) or 5.32 oz. (two packets) per acre as a foliar spray. The first application should be made just after egg hatch to early instar larvae. If a second application for the same generation is needed, apply 2.66 oz. (one packet) or 5.32 oz. (two packets) per acre 7 to 14 days later.
- Apply with aircraft in a minimum of 5 gal. of water /A. With ground application equipment use a sufficient amount of water to ensure thorough coverage of foliage.

For leafminer control:

- Apply 2.66 oz. (one packet) per acre as a foliar spray.
- Use sufficient water volume to ensure thorough coverage of foliage when using ground application equipment and a minimum of 5.0 gallons of water when applying with aircraft.
- Repeat application at 7-day intervals, as needed, to maintain good control.

Notes: To avoid possible illegal residues:

- Do not exceed a total of 1 lb. of Trigard Insecticide per acre during the growing season.
- Allow at least 7 days between applications.
- Do not make the last application within 17 days of harvest (17-day PHI).

TOMATOES

For leafminer control and suppression of Colorado potato beetle:

- Apply 2.66 oz. (one packet) of Trigard Insecticide /A as a foliar spray when leafminers first appear. At this application rate, Trigard Insecticide will also provide suppression of Colorado Potato Beetle.
- Apply with aircraft in a minimum of 5 gal. of water /A, or with ground application equipment in a minimum of 10 gal. of water /A, using sufficient carrier to achieve adequate coverage.
- Repeat application, as needed, at 7-day intervals to maintain control.

Notes: To avoid possible illegal residues:

- Do not make more than 6 applications to one crop of tomatoes.
- Allow at least 7 days between applications.
- Tomatoes may be harvested on the same day of the last application.

ROTATIONAL CROPS

The following "plant-back intervals" must be observed when planting rotational crops after an application of Trigard Insecticide:

Rotational Crop	Planting Time From Last Application of Trigard Insecticide (Days)
All crops on the Trigard Insecticide label	0 days
Sweet corn, radishes, and cotton	30 days
Any other crop	300 days

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not use in animal feeds.

Storage

Store in a cool, dry place. Do not store this product under wet conditions. Handle outer container carefully to avoid breakage of water-soluble packets.

Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

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For non-emergency (e.g. current product information) call
ADAMA Crop Protection at 1-866-406-6262.

Manufactured for:
Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604

091717-2.0

Trigard®

GROUP 17 INSECTICIDE

Insecticide

For control of leafminers in Abyssinian and seekale cabbage, bulb vegetables, cucurbits, certain varieties of dried beans, Fanover salad, leafy vegetables including Brassica, succulent beans, peppers, tomatoes, and turnip greens and control of Colorado potato beetle and leafminer in potatoes.

ACTIVE INGREDIENT:	% BY WT.
Cyromazine (CAS No. 66215-27-8) 2,4,6-triazine	75.0%
OTHER INGREDIENTS:	25.0%
TOTAL:	100.0%

Trigard Insecticide is a wettable powder.

EPA Reg. No. 66222-272

EPA Est. No. 067545-AZ-001

KEEP OUT OF REACH OF CHILDREN CAUTION

This outer protective container contains Trigard Insecticide in 6 small water-soluble packets. These packets and their contents dissolve in water. After opening outer container, immediately dump the required number of unopened packets into the partially filled sprayer or mix tank. Do not handle the soluble packets or expose them to moisture, since this may cause rupturing.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUTION

Causes moderate eye irritation. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

How can we help?
1-866-406-6262

Manufactured for:
Makhteshim Agan of North America, Inc.
(d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604



INSECTICIDE

ADAMA

Net Contents
15.96 ounces
(6 x 2.66 ounces water-soluble packets)

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

For emergency medical treatment information call ProPharma 24 hours a day at 1-877-250-9291.

In case of spills, fire, leaks or accidents call 1-800-535-5053.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not use in animal feeds.

Storage

Store in a cool, dry place. Do not store this product under wet conditions. Handle outer container carefully to avoid breakage of water-soluble packets.

Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

See additional precautionary statements and directions for use in booklet. Trigard is a trademark of an ADAMA Group Company.

PEEL BACK BOOK HERE

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