



May 31, 2023

Lauren Otani, Senior Environmental Scientist (Specialist)
Department of Pesticide Regulation
1001 I Street, P.O. Box 4015
Sacramento, California 95812-4015

RE: DPR 22-005 Modification to Proposed rulemaking on the Health Risk Mitigation and Volatile Organic Compound Emissions Reduction for 1,3-Dichloropropene (1,3-D)

Formed in 2020, Teleos Ag Solutions is Dow's exclusive global distributor of 1,3-Dichloropropene (1,3-D), sold under the brand name TELONE™. Teleos Ag Solutions is a wholly-owned subsidiary of TriCal Soil Solutions. We provide technical expertise to our distributors, growers and certified applicators on the proper soil preparation, application and soil sealing for Telone applications. In addition, we provide training on permit conditions and requirements in an effort to keep our applicators in compliance with the complex and most restrictive Telone regulations in the world.

Telone is a critical tool needed in California agriculture for the management of plant parasitic nematodes and soil borne diseases. These pathogens attack and weaken the root system of food-producing plants thereby reducing yields and production to levels low enough to take out the economic viability of the crop. In addition, weakened root systems reduce the uniformity and efficiency of water and plant food uptake. Unhealthy food crops lead to more use of pesticides, fertilizer, and water, all of which are scarce and expensive commodities in California.

Teleos Ag Solutions offers the following comments on the **Addendum: Modeling for mitigation measures to reduce acute exposure from 1,3-Dichloropropene, revised setback tables.**

DPR has evaluated weather datasets along much of the California coast and the central valley. Each of these location's data demonstrates great differences in wind speed when comparing these two large areas and weather stations (coast vs inland). DPR acknowledges to have chosen the worst-case wind data, and is recommending to utilize the lowest wind speed fraction recorded, and enforce for all treatment areas. This will cause unnecessarily small treatment areas thereby requiring repeated trips to apply material to the same field over several days. This results in delays of critical planting dates and greatly increases the logistical demands and complexity for the agricultural producer and the associated workers.

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Given the numerous compounding conservative assumptions made in the emissions modeling (HYDRUS) and setback modeling (AERFUM) as well as in the toxicology and risk assessment of 1,3-D, the use of the 'worst-case' weather data for coastal and central valley locations results in setbacks that are unnecessarily large resulting in needless extra burdens for the agricultural community.

Teleos suggests that DPR use a more even-handed approach to their modeling using weather data that is most relevant for the 1,3-D use area in question. This should result in setbacks which would not only offer bystander safety based on local conditions, but become more practical for the grower to implement as an effective management treatment to grow a quality crop.

Sincerely,

A handwritten signature in black ink that reads 'Brian Hegland'. The signature is fluid and cursive, with the first name 'Brian' and last name 'Hegland' clearly distinguishable.

Brian Hegland
TELONE™ Sales Specialist, Teleos Ag Solutions