

# Product Bulletin



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## RESTRICTED USE PESTICIDE

Sale and Use Restricted to Certified Applicators or  
Persons Under their Direct Supervision

## Telone\* C-17

EPA Reg. No. 62719-12

Special 2(ee) Recommendation†

For Distribution and Use Only in the States of Oregon and Washington

### To Control Stubby Root Nematode Vector of Corky Ringspot in Soils to be Planted to Potatoes

#### ATTENTION

†This recommendation is made as permitted under FIFRA Section 2(ee) and has not been submitted to or approved by EPA.

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Telone\* C-17 soil fumigant before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Telone C-17 according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Telone C-17.

#### Directions for Use

##### Application timing

Fall applications are preferred, however, application may be made in the spring if soil conditions necessary for treatment are met. Less than satisfactory control of Stubby root nematode (*Paratrichodorus* spp.) may result when treatments are made under less than optimum conditions.

**Note:** Stubby-root nematode is a vector of tobacco rattle virus (TRV) which causes corky ringspot (CRS) in potato tubers. While stubby-root nematode alone will not cause damage, surviving low level populations of stubby-root nematode in the presence of TRV may result in detectable CRS damage.

##### Soil Preparation

Best results are obtained when soil conditions permit rapid diffusion of the fumigant throughout the soil and the soil surface can be sealed to prevent excessive fumigant loss during the exposure period. **Soil moisture** in the top 24 to 36 inches of the soil profile should be depleted (at or near the permanent wilting point (PWP) for plant growth) to allow for optimum dispersion of the fumigant. In general, no irrigation should precede subsoiling or fumigation; however, when surface soil moisture conditions are not likely to provide an adequate seal against fumigant loss, a very light sprinkler irrigation to wet the top 1 to 2 inches of soil may be useful. **Soil Temperature** at the point of injection should be between 40° and 80°F. **Soil compaction** layers, such as a hard pan or plow pan, between the soil surface and the 24 to 36 inch depth should be fractured prior to or during the fumigation operation to allow for uniform penetration of the fumigant throughout the soil profile. Areas to be fumigated in the spring should be subsoiled the previous fall. **Crop residues or stubble** must be thoroughly incorporated into the soil prior to fumigation. For best results, crop residues should be allowed to decompose prior to the fumigation treatment. Very little residue should be exposed at the soil surface at the time of fumigation.

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## Application

Apply Telone C-17 to mineral soils at a broadcast rate of 27.5 gallons per acre using suitable application equipment. For optimum results, an injection depth of 18 to 22 inches is recommended. Use ripper-type, forward swept shanks mounted 18 to 24 inches apart. Spacing should not exceed the horizontal soil fracturing capability of shanks.

## Sealing

Immediately after fumigation application, use a disc or similar device to uniformly mix the soil to a depth of 4 to 6 inches to effectively eliminate chisel traces and follow with a cultipacker to seal the soil surface. Little or no crop residue should be exposed at the surface following the sealing operation. Any crop residue should be flat following sealing.

## Treatment Period

Following application and sealing, leave soil undisturbed for at least 7 days. A longer treatment duration may be necessary if the soil becomes excessively cold or wet during this period. Before planting, allow soil to aerate completely. Aeration is usually complete when the odor of Telone is no longer detected at the depth of injection. Under optimum conditions, allow at least 17 days beyond the initial undisturbed period. To hasten aeration, especially if heavy rains or low temperatures occur during the treatment period, plow or deep cultivate to the depth of injection (18 inches). **Note:** Lettuce seed may be used as a bioassay to determine if Telone C-17 is present in the soil at a concentration sufficient to cause plant injury.

## Special Precautions

- Use of Telone C-17 according to these use directions will control only the nematode populations present at the time of fumigation. Telone C-17 will not control subsequent populations introduced into the treated area from irrigation water, equipment or other sources of contamination, or from reinvasion into the treated area from surrounding untreated soil.
- Before fumigation, soil sampling for the type and number of pests present is recommended. In fields where pre-treatment soil samples indicate the presence of high nematode or wireworm populations, a successful fumigation cannot be expected to eradicate the entire population. Therefore, post-treatment soil sampling is recommended to determine the need for additional pest population management practices.
- Preharvest tuber and soil sampling is recommended to detect developing nematode populations or early tuber infection. If the nematode population is high enough that the crop may be damaged, or if nematode damage is detected in potato tubers, the crop should be harvested early. Do not store nematode-infected tubers.
- Do not till the ground in the spring in such a way that soil is inverted prior to a spring fumigation. Such tillage operations should be conducted in the fall to allow winter kill of residual nematode populations in the top 1 to 2 inches of the soil profile.
- Refer to the product label for Telone C-17 for recommended soil conditions and additional use precautions for optimum fumigant performance.

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Special 2(ee) recommendation for the states of Oregon and Washington.

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