RESTRICTED USE PESTICIDE
Due to high acute inhalation toxicity and carcinogenicity. For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Product Bulletin

Telone® II
EPA Reg. No. 62719-32

plus

K-PAM® HL
EPA Reg. No. 5481-483

or

Sectagon® 42
EPA Reg. No. 61842-6

Vapam® HL
EPA Reg. No. 5481-468

or

Sectagon-K54®
EPA Reg. No. 61842-7

Section 2(ee) Recommendation †
For Distribution and Use Only in the States of Colorado, Idaho, Nevada, Oregon, Utah and Washington

Sequential Application of Telone II plus K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL for Suppression of Verticillium dahliae, Suppression of Stubby Root Nematode Vector of Corky Ringspot and Suppression of Root Knot and Lesion Nematodes in Soils to be Planted to Potatoes, Onions and Carrots

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 recommendation must be in the possession of the user at the time of application.
• Read the labels affixed to container for Telone II, K-PAM HL, Sectagon-K54, Sectagon 42 and Vapam HL before applying. Carefully follow all precautionary statements and applicable use directions.
• Use of Telone II according to this recommendation is subject to all use precautions and limitations imposed by the label affixed to the product container.

Directions for Use

The following use directions provide information for a sequential application program of Telone® II soil fumigant and K-PAM® HL or Sectagon-K54 or Sectagon® 42 or Vapam® HL soil fumigant. For best results, apply Telone II and K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL in the fall. Alternative treatment schedules include a fall application of Telone II followed by a spring application of K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL, a fall application of K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL followed by a spring application of Telone II, or a spring application of both products. Due to time constraints resulting from varying weather conditions, a spring application may result in delayed planting.
For soil injection, apply K-PAM HL or Sectagon-K54 at a minimum rate of 24 gallons per acre or Sectagon 42 or Vapam HL at a minimum rate of 30 gallons per acre using either shanks, sweep blades, double-winged shanks, or a Noble Plow blade combined with a surface application. Single shanks should be spaced no more than 6 inches apart with either single injection outlets no more than 6 inches deep or dual injection outlets spaced at 6 and 12 inches deep. Single sweep blades should be spaced no more than 12 inches apart with sweeps 12 inches wide and a spray nozzle that will provide broadcast coverage from sweep tip to sweep tip. Double-winged shanks should be spaced no more than 12 inches apart with no more than 9 inches between adjacent wings and with spray nozzles that provide uniform coverage. The Noble Plow blade should have spray nozzles spaced 6 inches apart to give uniform coverage, an injection depth set at 12 to 14 inches deep, and be combined with a surface application using a disk to immediately incorporate the K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL placed on the surface. Follow all the above applications immediately with a roller/packer to smooth and compact the soil surface.

For surface incorporation, apply K-PAM HL or Sectagon-K54 at a minimum rate of 24 gallons per acre or Sectagon 42 or Vapam HL at a minimum rate of 30 gallons per acre as a broadcast application to the soil surface immediately in front of soil covering equipment such as rotary tillers, disks, etc., to a minimum depth of 6 inches using a single-pass incorporation followed immediately by a roller/packer to smooth and compact the soil surface.
Soil Fumigation Interval

Planting may take place only after odors of either Telone II, K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL are no longer present within the zone of fumigation. If K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL follow Telone II and is applied in the spring with the Noble Plow blade, apply all fertilizers after the application of K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL by shallow plowing and/or disking to allow the fumigant odors to dissipate. Wait 14 to 21 days after the application of K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL before planting the crop. Use the 21-day interval if soil temperatures are below 60°F regardless of any other precautions that may have been taken. In addition to waiting 21 days, set indicator plants (e.g., tomato seedlings) in various places in the treated field and cover the plants with a “hot cap,” plastic sheeting, bucket, etc., to trap and confine any fumes present. Leave the plants undisturbed for a minimum of 24 hours then examine for injury before planting the crop. Do not plant the crop if injury to indicator plants is observed. If fumes are noticeable at planting, rework the soil. If Telone II follows K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL and is applied in the spring, wait at least 1 week for each 10 gallons of Telone II applied beyond the initial undisturbed period before planting the crop. If fumigant odors are present at planting, thoroughly aerate the soil following shallow ripping and/or disking to allow fumigant odors to dissipate. Do not till the soil so deep as to move untreated soil from below the treated zone into the treated soil.

Special Considerations and Precautions:

- Use of this sequential application program of reduced rates of Telone II and K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL does not guarantee pest-free crops at harvest.
- Use of Telone II and K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL according to these use directions will suppress stubby root, root knot and lesion nematode populations present within the fumigated zone at the time of fumigation. The fumigated zone can vary depending upon a number of factors such as fumigant rate, application methods used, depth of fumigant application, soil moisture, soil type, soil temperature and soil tilth (including soil compaction and soil porosity). The sequential combination of reduced rates of Telone II and K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL will not control or prevent reinfestation subsequent to the treatments. Subsequent pest populations may infest the fumigated zone from irrigation water, equipment, potato seed or other sources of contamination or may invade the fumigated zone from surrounding untreated soil such as from beneath the fumigated zone or from unfumigated pockets within the fumigated zone.
- In fields with a history of severe Columbia root knot nematode problems, the maximum federal label rate of 20 gallons of Telone II per acre is recommended in sequential combination with K-PAM HL or Sectagon-K54 at a minimum of 30 gallons per acre or Vapam HL or Sectagon 42 at a minimum rate of 37.5 gallons per acre, per these label directions.
- If the application of Telone II occurs in the fall and the application of K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL is not planned until spring, a cover crop such as wheat or grass can be planted following the undisturbed soil interval associated with the application of Telone II to reduce the potential for overwinter soil erosion.
- Refer to the product labels affixed to the containers for Telone II and K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL for recommended soil conditions. Product performance can be expected to improve as the soil conditions move toward optimum. Use of this sequential application program of Telone II and K-PAM HL or Sectagon-K54 or Sectagon 42 or Vapam HL under soil conditions outside the recommended range of soil conditions can be expected to yield less than satisfactory performance.

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