

# **CORN (FIELD, SWEET, POP)**

## General Information

### PRODUCT INFORMATION

#### PONCHO/VOTiVO:

- Is a combination insecticide and biological seed treatment that, when applied to seed, protects the seed and seedling against certain early season insects and provides early season protection from listed plant pathogenic nematodes that attack the root system. As a result of the dual protection, there is an improvement in plant vigor, which often results in more uniform plants and greater yields. In areas of high nematode infestation, additional control measures may be warranted.

### APPLICATION INSTRUCTIONS

- Apply PONCHO/VOTiVO as a commercial water-based slurry either alone or with other registered seed treatment insecticides and fungicides through standard slurry commercial seed treatment equipment in commercial seed treatment facilities only.

### USE RESTRICTIONS

- For use only in commercial seed treatment facilities. Not for use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.
- All seed treated with this product must be colored with an EPA-approved dye or colorant that imparts an unnatural color to the seed to help prevent the inadvertent use of treated seed for food, feed, or oil purposes.
- Treated seed must be labeled in accordance with the requirements of the Federal Seed Act.
- Regardless of type of application (seed treatment, soil, or foliar), do not apply more than 0.2 lbs (Soybean), 0.1 lbs (corn), 0.2 lbs (cotton), 0.14 lbs (Sugarbeet), or 0.02 lbs (sorghum) of active ingredient clothianidin per acre per year. Refer to the Application Rates tables for crop specific restrictions.

### RESISTANCE MANAGEMENT STRATEGIES

- The components in PONCHO/VOTiVO belong to multiple chemistry classes.
- Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area.
- Such strategies may include rotating and/or tank mixing with products having different modes of action; or limiting the total number of applications per season.
- Use labeled rates.
- Contact your local extension specialist, certified crop advisor, and/or manufacturer for fungicide/insecticide resistance management and/or integrated pest management recommendations for specific crops and pest populations.
- Bayer CropScience encourages responsible product stewardship to ensure effective long-term control of pests on this label.

#### COMPATIBILITY TESTING AND TANK MIX PARTNERS

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements for each product in the tank mixture.

#### Compatibility

It is essential that before using PONCHO/VOTiVO seed treatment in any tank mixture the compatibility of the mixture be established. Add PONCHO/VOTiVO at the labeled rate to a clean quart jar containing approximately one-half the amount of water intended for a final slurry application rate. Next, follow with all other tank mix components that will be used in the total slurry application. Add last the remaining balance of water. The total amount of volume is determined by the seed size and how much is necessary to ensure complete and uniform coverage and distribution on the seed, as well as the type of commercial seed treating application equipment that will be used.

**DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GEL. USE TANK MIXTURES IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.**

## MIXING INSTRUCTIONS

- When applied with seed treatment application equipment designed to treat seed utilizing a treatment slurry mixture, add approximately 1/2 to 2/3 of the required water to the treatment slurry tank followed by the accompanying seed treatment products and PONCHO/VOTiVO.
- The order of product addition is dependent on the accompanying seed treatment products and application equipment used.
- Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained.
- After all slurry components have been added and dispersed completely add the remaining 1/2 to 1/3 of required water for proper slurry volume and mix until uniform.
- Do not store mixed slurries for greater than 72 hours.
- Maintain adequate agitation until treatment slurry is applied.
- For additional instructions for use, slurry component mixing order, and other application suggestions contact your Bayer CropScience representative.
- Follow the most restrictive of the labeling limitations and precautions of all products used in mixtures.

## APPLICATION RATES

May be used in combination with other registered Bayer CropScience seed treatment fungicides and insecticides. Pre-test for compatibility with other seed treatment products.

## SEED TAG LABELING

The Federal Seed Act requires that the container of seed treated with PONCHO/VOTiVO must be labeled with the following statements:

- This seed has been treated with:
- PONCHO/VOTiVO, which contains 40.3% clothianidin and 8.1% Bacillus firmus I-1582.

- Do not use treated seed for food, feed, or oil production.

In addition, the US Environmental Protection Agency requires the following statements on the container of seed treated with PONCHO/VOTIVO:

- Store treated seeds away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seed.
- Wear long-sleeved shirt, long pants, shoes and socks, and chemical resistant gloves made out of: barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride  $\geq 14$  mils, or viton  $\geq 14$  mils.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- Dispose of all excess treated seed. Leftover treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging or containers in accordance with local requirements. Do not use empty seed bags for any other purpose.
- To reduce seed dust which can drift onto blooming crops or weeds, ensure that planting equipment is functioning properly in accordance with manufacturer's recommendations.
- Use planting equipment that will plant treated seed into the soil to a minimum depth of 0.5 inch.
- Regardless of type of application (seed treatment, soil, or foliar), do not apply more than 0.2 lbs (soybean), 0.1 lbs (corn), 0.2 lbs (cotton), 0.14 lbs (sugarbeet), or 0.02 lbs (sorghum) of active ingredient clothianidin per acre per year. - Store away from feeds and foodstuffs.
- This compound may be highly toxic to bees exposed directly (contact). Ensure that

planting equipment is functioning properly in accordance with manufacturing recommendations to minimize seed coat abrasion during planting to reduce dust, which can drift to blooming crops or weeds.

- This compound is toxic to birds and mammals. Treated seeds exposed on soil surface may be hazardous to birds and mammals. Cover or collect treated seeds spilled during loading.

- For Field Corn, Popcorn: Immediate Plant-back: cereal grains, field corn, popcorn, sweet corn, rapeseed, canola, soybeans, and root and tuber vegetables; 30 day plant back: grasses, non-grass animal feeds, dry beans, dry peas; 8 month plant back: sugar cane; 12 month plant back: any crops without an earlier plant back interval.

- For Soybeans: Immediate plant back: cereal grains, field corn, popcorn, sweet corn, cotton rapeseed, canola, soybeans, root and tuber vegetables; 30 day plant back: grasses, non-grass animal feeds, dry beans; 8 month plant back: sugar cane; 12 month plant back: any crops without an earlier plant back interval.

- For Soybean: Foliar spray of clothianidin can be applied 45 days after planting PONCHO/VOTiVO treated soybean seeds for mid-to-late season foliar insects. Do not graze or feed soybean forage and hay to livestock.

- Sugarbeet: Immediate plant back: cotton, corn (field, sweet, and pop), rapeseed, sorghum, sugarbeet, canola, soybeans; 30 day plant back: cereal grains (except rice), dried beans, and dried peas. Do not plant any other crop in the treated area for at least one year after treated seeds are planted.

- Do not graze or feed soybean forage and hay to livestock.

- Foliar spray of clothianidin can be applied 45 days after planting PONCHO/ VOTiVO treated soybean seed for mid-to-late season foliar insects.

- PONCHO/VOTiVO is not to be used in areas where rice/crawfish aquaculture practices are in place or in or near fish farms, shrimp, prawn or crab ponds or nursery operations.

- PONCHO/VOTiVO is not to be followed by a spray treatment of another neonicotinoid insecticide. Follow approved guidelines established for insect resistance management by consulting your local extension pest management

expert.

- For cereal grains (except corn, rice, sorghum and wild rice): this seed has been treated at the rate of xx mg ai/seed.
- For corn (field, sweet, & pop): this seed has been treated at the rate of xx mg ai/seed.
- For cotton, delinted only: this seed has been treated at the rate of 0.424 mg ai/seed.
- For sorghum: this seed has been treated at the rate of 0.08 mg ai/seed.
- For soybean: this seed has been treated at the rate of 0.13 mg ai/seed.
- For sugarbeet: this seed has been treated at the rate of 0.72 mg ai/seed.

## Limitations, Restrictions, and Exceptions

### CORN

Including field, sweet, and pop

#### Restrictions:

- Do not apply more than 0.5 mg ai of clothianidin per seed through the application of PONCHO/VOTiVO.
- It is recommended that seed with existing populations of storage pests be fumigated prior to treating and bagging seed.

#### Method

#### [Seed Treatment](#)

#### Rates

#### [field\\_rates 0](#)

#### [field\\_rates 1](#)

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#### Timings

#### [N.A.](#)