



# Tidal Grow® SPECTRA

## Fungicide and Nematicide Liquid Concentrate

Tidal Grow® Spectra aids in the control of agricultural fungal diseases and nematode pests while boosting plants' natural defense mechanisms and stimulating growth and vigor.

Active Ingredient: Chitosan ..... 5.75%  
 Inert Ingredients: Vinegar, Water ..... 94.25%  
 Total ..... 100.0%

CONTENTS:     4 x 1 Gallon     2 x 2.5 gallon     265 gallon tote  
 Contains 0.496 lbs chitosan/gallon                      Spectra weighs 8.62 lbs/gallon

### CAUTION - KEEP OUT OF REACH OF CHILDREN

May cause eye and skin irritation. Avoid contact with skin and eyes. Wear safety glasses or goggles and chemical-resistant gloves when mixing or handling product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Tidal Vision Products, Inc. DBA Tidal Grow® AgriScience  
 3710 Iron Gate Road, Bellingham, WA 98226  
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ONLY FOR USE IN MONTANA



### FIRST AID

**IF INGESTED** Clean mouth with water and afterward drink plenty of water.

**IF ON SKIN OR CLOTHING** Remove contaminated clothing. Rinse skin with soap and water.

**IF INHALED** Remove to fresh air.

**IF IN EYES** Rinse thoroughly with water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses, if present, after the first 5 minutes.

### STORAGE AND DISPOSAL:

Do not contaminate water, food or feed by storage or disposal. Store in the original container in a cool, dry area away from children and pets. Do not reuse empty container. If empty: Offer for recycling if available or discard in a sanitary landfill. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### MANUFACTURED BY:

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This 25(b) product is exempt from registration with the Federal Environmental Protection Agency under FIFRA regulations.

**PRODUCT INFORMATION:** When used as directed, Tidal Grow® Spectra can improve plant vigor and quality, make plants more resistant to infection, reduce the negative effects of environmental stressors, and provide protection against pathogens including plant parasitic nematodes and fungal diseases.

| TARGET PESTS:                        | Fungi Nematodes                   | Tar Spot (Phyllachora maydis) Root-knot nematode (Meloidogyne spp.) |                                      |   |
|--------------------------------------|-----------------------------------|---|--------------------------------------|---|
| <b>Corn</b> (fields, sweet, popcorn) | In-Furrow or Soil Treatment       | At planting or pre-plant  | Apply 6-22 fl oz of product per acre | Can be applied via spray, chemigation drip, or other means.                                       |
|                                      | Foliar (ground spray, pivot, etc) | Starting as early as V2-V4  | Apply 6-22 fl oz of product per acre | Use at least 10 gallons of total spray volume per acre. Re-apply once every 2 weeks or as needed. |
|                                      | Foliar (aerial)                   | Starting as early as V2-V4  | Apply 6-22 fl oz of product per acre | Use at least 2 gallons of total spray volume per acre. Re-apply once every 2 weeks or as needed.  |

### DIRECTIONS FOR USE:

Tidal Grow® Spectra can be used as a foliar spray, soil drench, root dip, in-furrow or can be applied via chemigation methods (such as center pivot, drip/trickle, sprinkler, etc).

Tidal Grow® Spectra can be applied to crops at any time during the growing season including preplant, preemergence, post emergence, and in-season, up to and including the day of harvest.

The recommended concentration and rate of application depends on crop and severity of the pest or disease. Test results have shown that this product can increasingly suppress pests and pathogens at high doses; whereas tests results have shown the benefits to plant health and vigor at lower doses.

For best results apply the product early in the morning or late in the afternoon.

Tidal Grow® Spectra is compatible with most chemical fungicides, insecticides and fertilizers. The pH of the final solution should be below 7 for best results; perform a compatibility jar test prior to mixing with other chemicals - especially for concentrated aerial applications. Combining Spectra with anionic polymers tends to cause clumping, gelling, or settling. Example: Spectra is incompatible with ammonium polyphosphate fertilizers (10-34-0 and 11-37-0). Contact your sales rep for more information on compatibility. For best results, store out of direct sunlight at room temperature.

### ENVIRONMENTAL HAZARDS

Not for aquatic use. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

**NOTE TO USER:** Unintentional consequences such as crop injury may result due to environmental or growing conditions, manner of use, or application. Because plant tolerance of pesticides varies as conditions vary, treat a few plants under conditions expected to be encountered and observe for plant damage prior to full-scale application to a large number of plants.

Montana:  
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