

Germate PlusTM ST

Growth Stimulator

EPA Registration No: 93966-1-88801

EPA Establishment No: 82521-GA-001

For use on corn, soybeans, canola, cereals/small grains, wheat, legumes, flowers, vegetables, sugar beets, grain sorghum, cotton, peanuts, turf, forages, edible beans and sunflowers.

[Refer to Accompanying Label Booklet for Complete Use Directions]

ACTIVE INGREDIENT:

Chitosan 0.25%

OTHER INGREDIENTS: 99.75%

TOTAL 100.00%

Product contains 0.021 lb (0.01 kg) for chitosan/gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water after handling.

SEE SIDE/INSIDE/BACK PANEL FOR FIRST AID AND PRECAUTIONARY STATEMENTS

PACKAGED IN 1 QT CONTAINERS

Distributed by:



Direct Enterprises Inc.
16545 Southpark Drive
Westfield, IN 46074
888-895-7333

Germate Plus™ ST

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When used as directed, Germate Plus™ can boost seed germination and vitality, stimulate emergence and sprouting, enhance plant vigor, promote root and foliar growth, increase crop yields, improve crop vigor and quality, protect against diseases and pathogens, activate plant resistances to environment stress, drought, and disease pressures, including protection against plant parasitic nematodes and insect pests.

Germate Plus™ protects against insects, nematodes, bacterial diseases, and fungal diseases by both direct pathogen/pest control and induced systemic resistance.

For use on corn, canola, soybeans, rice, sugar cane, sugarbeets, vegetables, herbs, sunflowers, wheat, grains, cereals, legumes, and flowers.

FIRST AID

IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water 15 – 20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.• Call a poison control center or doctor for further treatment advice.
Have product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, mixers, loaders and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, protective eyewear, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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DIRECTIONS FOR USE

It is a violation of federal laws to use this product in a manner inconsistent with its labeling.

To prevent contamination of the dilute solutions of Germate Plus™ by possible pesticide or other chemical residues in the spraying equipment, use dedicated equipment, or be sure that the equipment is thoroughly clean before use.

FOR AGRICULTURAL USE

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Protective eyewear, and
- Shoes plus socks

STORAGE & DISPOSAL Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry place away from sunlight and out of the reach of children and pets. Do not reuse container.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. (For product less than 5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. (For product greater than 5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. An empty container retains vapor and product residue. Observe label safeguards until container is cleaned, reconditioned or destroyed. Completely empty contents into formulation equipment. Then offer for recycling or reconditioning or, dispose of container in a manner approved by state and local authorities.

TARGET PESTS

Germate Plus™ is effective against the following nematode, insect, and plant disease pests:

[Nematode Pests: Gall nematode (*Anguina* spp.), Guava nematode (*Meloidiogyne* spp.), Lance nematode (*Hoplolaimus* spp.), Potato cyst nematode (*Globodera* spp.), Reniform nematode (*Rotylenchulus* spp.), Root-knot nematode (*Meloidiogyne* spp.), Root-lesion nematode (*Pratylenchus* spp.), Soybean Cyst Nematode (*Heterodera* spp.), Spiral nematode (*Helicotylenchus* spp.), Stem nematode (*Ditylenchus* spp.), Sting nematode (*Belonolaimus* spp.)]

Fungal and Bacterial Diseases: Alternaria, Anthracnose, Armillaria Root Rot, Ascochyta, Aspergillus spp., Bacterial Blight, Bacterial Soft Rot, Bacterial Spot, Blossom Blight (*Monilinia* spp.), Black Spot, Botrytis, Blue Mold, Brown Patch, Cercospora Leaf Spot, Charcoal Rot (macrophomina phaseolina), Citrus Canker, Coryneum Blight, Crown Rot, Curvularia, Downy Mildew, Erwinia amylovora, Fairy Ring, Fusarium spp. (*F. oxysporum*, *F. solani*, *F. graminearum*, *F. verticillium*), Greasy Spot, Garlic and Onion White Rot, Goss Wilt (*Clavibacter michiganensis*), Gray Leaf Spot, Gray Mold. Leaf Spot, Melanose, Mummy Berry, Onion Pink Root Rot, Phomopsis, Phyllachora spp., Phytophthora spp., Phytophthora gummosis, Phytophthora Root Rot, Pythium spp., Powdery Mildew, Pseudomonas spp., Rhizoctonia spp. (*R. solani*), Septoria, Sooty Mold, Tilletia spp., Ustilago spp. Xanthomonas, Venturia inequalis, Verticillium

Insect Pests: Aphids (all life stages except adult), Borers (all life stages), Bean Leaf Beetle, Cereal Leaf Beetle, Colorado Potato Beetle, Corn Borers (egg, larvae), Corn Ear Worm (all life stages except adult), Corn Root Maggot (all life stages except adult), Corn Root Worm (egg, larvae instars), Crickets (egg, larvae), Grasshoppers (egg, nymph), Hessian Fly, Leaf Miners, Mealy Bugs, Mites (all life stages except adult), Pea Weevils (all life stages except adult), Pine Beetles, Plant Bugs (egg, nymph), Psyllids (egg, all 5 instar stages), Seed corn Maggot, Slugs (all life stages), Snails (all life stages), Southern Cowpea Weevil (egg, larvae, maggot), Stink Bugs (egg, nymph), Sugarcane Aphids (all life stages except adult), Thrips (egg, larvae, pre-pupal, pupal), White flies (egg, nymph), Wireworms (egg, larvae)]

GENERAL INSTRUCTIONS

Shake before using. Following specific crop instructions for dilution rates and application usage. Do not apply within three days of harvesting. For best results use a slurry with a pH of 7 or less. It is recommended to conduct a compatibility test with the other seed treatments intended to be used in the same blend prior to mixing full treatment volumes.

CROP	MIXING & APPLICATION
Seed Treatment Legumes (such as Broad Beans, Chickpeas, dry edible, Cowpeas, Guar bean, Lentils, Lima, Peas, Pigeon Peas, snap, soybeans, various, Cicer arietinum, Lupinus spp. beans, Phaseolus spp. Beans, Vigna spp. Beans), Canola, Cantaloupe, Corn (field, sweet and pop), Cotton, Flax, Grass grown for seed, Legumes (including alfalfa and clover), Ornamental flower crops, Peanuts, Safflower, Small grains (including wheat, oats, rye, barley, rice, millet, sorghum, triticale), Soybeans, Sugar Cane, Sugarbeet, Sunflowers, Tobacco, Turfgrass, Fruiting Vegetables (Bell Pepper, Tomato), Vegetables (including Asparagus, Broccoli, Brussels sprouts, Carrots, Cabbage, Cauliflower, Celery, Cucumber, Eggplants, Garlic, Head Lettuce, Leaf Lettuce, Leafy Greens, Onion, Pumpkin, Radish, Spinach, Squash), Cucurbit Vegetables (Watermelon, muskmelon, squash)	For seed treatment, <ul style="list-style-type: none"> • Apply 0.1—1.2 fluid ounces of product per 100 lbs. seed. • Apply as a water based slurry through standard slurry or mist-type commercial seed treatment equipment. • May be applied with other registered seed treatment products if compatibility is known.
Seed Piece Treatment Potato Sweet potato Yam	For seed piece treatment, <ul style="list-style-type: none"> • Apply 0.1—1.2 fluid ounces of product per 100 lbs. seed pieces. • Apply as a water based slurry through standard slurry or mist-type commercial seed treatment equipment. • May be applied with other registered seed treatment products if compatibility is known.
In-Furrow Peanuts, Cotton, Corn (field, sweet, pop), Potatoes, Leafy Vegetables (petiole), Leafy Greens, Brassicas, Root Vegetables, Sugarbeets	Apply in-furrow, <ul style="list-style-type: none"> • at a rate of 0.85—6 fl. oz. per acre.

EXCLUSIVE LIMITED WARRANTY AND LIMITATION OF LIABILITY

Direct Enterprises, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Direct Enterprises, Inc.. To the extent consistent with applicable law, Direct Enterprises, Inc. shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, the exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at Tidal Vision Products, Inc. election, the replacement of this product. Direct Enterprises, Inc. MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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