

Cereals**Wheat, Barley, Rye**

In wheat, barley, and rye, Tilt controls rusts (*Puccinia* spp.), powdery mildew (*Erysiphe* spp.), leaf blight and glume blotch (*Septoria* spp.), tan spot (*Pyrenophora tritici-repentis*), Helminthosporium leaf blight, barley scald (*Rhynchosporium secalis*) and net blotch (*Pyrenophora teres*). Apply 4 fl. oz. of Tilt/A by ground or aerial application. Highest yields are normally obtained when Tilt is applied to the emerging flag leaf (Feeke's growth stage 8). Do not apply after this growth stage to avoid possible illegal residues. Tilt may be applied earlier if disease symptoms appear (especially applicable to barley). Make only one application per season.

For control of foot rot (*Pseudocercospora* sp.), apply 4 fl. oz. of Tilt/A plus half rates of other EPA-registered fungicides such as Benlate®, Mertect®, and Topsin® M. Apply at tillering but before elongation has occurred.

Do not graze or feed livestock treated forage or cut the green crop for hay or silage. After harvest the straw may be used for bedding or feed.

Rice

In rice, Tilt controls sheath blight (*Rhizoctonia solani*), brown leaf spot (*Helminthosporium oryzae*), narrow brown leaf spot and brown blotch (*Cercospora oryzae*), leaf smut (*Entyloma oryzae*) and sheath spot (*Rhizoctonia oryzae*). Tilt also suppresses stem rot (*Sclerotium oryzae*). Apply Tilt on either of the following schedules as an aerial spray in 5-10 gals. of water/A.

A. 6 fl. oz./A at first internode elongation (up to 2-inch panicle) and repeat at swollen boot. Make a second application 10-14 days after the first application, but before the boot splits and head emerges. Tilt provides best control of sheath blight when the first application is applied at disease appearance in the field. The first application is recommended when 5 percent or fewer of the tillers are infected.

B. 10 fl. oz./A at first internode elongation (up to 2-inch panicle). The 10 oz rate is recommended if greater than 10 percent of the tillers are infected with the sheath blight. If disease reappears, use another registered fungicide for the second application.

Notes: To avoid possible illegal residues, (1) Do not apply to stubble or ratoon crop rice; (2) Do not use in rice fields where commercial farming of crayfish will be practiced; (3) Do not drain water from the treated rice fields into ponds used for commercial catfish farming; (4) Do not use water drained from treated fields to irrigate other crops; and (5) Do not use in California.

Endangered Species Restrictions: The use of Tilt (propiconazole) on rice is restricted to protect the endangered fat pocketbook pearly mussel (*Potamilus capax*) and its habitat. Use is prohibited in the following areas of Arkansas:

Mississippi County: Within the basin that drains directly into the Right Hand Chute of Little River, south of Big Lake National Wildlife Refuge.

Poinsett County: Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway. Use is also prohibited west of Rt. 140 and north of Rt. 63 at the siphon near Marked Tree. Except that the prohibited area does not include the area bounded by Arkansas highway 373 on the west, highway 63 on the east and highway 14 on the south.

Cross, St. Francis, and Lee Counties: Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway as far south as the confluence of L'Anquille River (Lee County).

Grasses Grown for Seed (Nebraska, Oregon, Washington, Idaho, and Minnesota only)

Tilt controls rusts (*Puccinia* spp.), powdery mildew, and Selenophoma stem eyespot in perennial ryegrass, fescues, bluegrass, orchardgrass, and wheatgrasses.

Mix 4-8 fl. oz. of Tilt (maximum 4 fl. oz. on bluegrass) in a minimum of 20 gals. of water/A for ground application, or in a minimum of 10 gals. of water/A for aerial application. Apply when powdery mildew and Selenophoma infections or rust pustules are noticeable and increasing in number, in late spring or early summer. Repeat at 7-21 day intervals. To maximize control under severe rust pressure, use the higher rate of 8 fl. oz./A (except on bluegrass) and make applications at 14 day intervals until the seed is mature. Do not apply more than 32 fl. oz. of Tilt per acre per growing cycle. Make the last application at least 20 days before seed matures. For bluegrass, it is important to begin applications early in the growing season.

Notes: To avoid possible illegal residues, do not (1) feed hay cut within 20 days of the last application or (2) graze treated areas within 140 days of the last application.

Pecans (bearing)

For control of pecan scab, downy spot, liver spot, vein spot, Zonate leaf spot and fungal leaf scorch, apply Tilt in a regular spray program beginning at bud break when young leaves are unfolding. Continue applications while small nuts are forming, repeating at two week intervals as needed, not exceeding four applications per growing season. Do not apply after shuck split. Do not graze livestock in treated areas or cut treated cover crops for feed.

Apply Tilt in sufficient water to obtain good coverage, using a minimum spray volume of 50 gals./A by ground. For ground applications, the applicator must be in a closed cab during application.

Pecan Scab—South (AL, AR, FL, GA, KY, LA, MO, MS, NC, SC and TN): Apply at 4 fl. oz./A on a 14-day schedule during bud break and pre-pollination sprays. Apply 8 fl. oz./A during nut formation and cover sprays.

Pecan Scab—Southwest (AZ, NM, OK and TX): Apply 4 fl. oz./A on a 14-day schedule during bud break and pre-pollination sprays. Apply 6 fl. oz./A in case bearer and cover sprays.

Foliar Diseases: Tilt may be applied for control of mid- to late-season foliar diseases (such as Zonate leaf spot, fungal leaf scorch, vein spot, and downy spot) at 4 fl. oz./A with the recommended rate of Du-Ter® or Super Tin® in the cover sprays. Observe all directions, precautions, and limitations on the labels for these products.

For pecans, Tilt is compatible with most insecticides labeled for use on pecans such as diazinon 50W, diazinon AG 500, Zolone® 3E, dimehoate, Supracide® 2E and carbaryl 50W. Do not mix Tilt with Cyrex® on pecans, because crop injury may occur.

Endangered Species Restrictions: The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of federal laws. The use of this product in pecans is controlled to prevent death or harm to endangered species. Do not use Tilt in the following counties:

State	Counties			
Alabama	Colbert Greene Jackson	Lamar Lauderdale Limestone	Madison Marshall Morgan	Pickens Sumter
Arkansas	Clark Clay	Cross Dallas	Hot Springs Randolph	Sharp St. Francis
Kentucky	Ballard Butler	Green Hart	Livingston McCracken	Taylor Warren
Tennessee	Bedford Decatur	Hardin Lincoln	Marshall Maurry	Perry Sequatchie
Missouri	Gasconade Jefferson	Miller Osage	Ripley St. Louis	Wayne
Mississippi	Lowndes	Monroe	Noxubee	

Pecans (nonbearing)

Apply 4.0-5.5 fl. oz. of Tilt/A in sufficient water to obtain good coverage for control of pecan scab, downy spot, brown leaf spot, liver spot, vein spot, Zonate leaf spot, and fungal leaf scorch. Begin applications at bud break and repeat at 2-4 week intervals as needed. Do not exceed four applications per growing season. For ground applications, the applicator must be in a closed cab during application. Do not graze livestock in treated areas. Observe endangered species restrictions noted above in the bearing pecan section.

Sugarcane (Hawaii only)

For control of pineapple disease of sugarcane (*Ceratocystis paradoxa*) apply Tilt to seed pieces using 0.75 fl. oz. (22 ml) per 100 gals. of water (1:17,000). Treatment can be applied in either a cold or hot water dip. Do not use treated seed pieces for food or feed purposes. Dispose of spent dip solution according to state and federal regulations.

Cold Water Dip: Immerse seed pieces to give thorough wetting, remove and allow to drain.

Hot Water Dip: Maintain water temperature at 52°C. Soak the seed pieces for 20-30 minutes, remove and allow to drain.

Storage and Disposal

Store at temperatures above 0°F. Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Triple-rinse container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. Stay out of smoke from burning containers.

For minor spills, leaks, etc., follow all precautions indicated on this label and cleanup immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill fire, or other emergency, call 1-800-889-8372 day or night.

BEST AVAILABLE COPY

Precautionary Statements**Hazards to Humans and Domestic Animals****WARNING**

This product may cause skin sensitization reactions in certain individuals. Wear rubber gloves and a long-sleeved shirt when mixing or handling this product. Remove contaminated clothing and wash before reuse.

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled or absorbed through skin. Wash thoroughly with soap and water after handling. Avoid breathing spray mist.

First Aid: If in eyes, flush with plenty of water and get medical attention if irritation persists. If on skin, wash with plenty of soap and water. Get medical attention if irritation persists. If swallowed, drink promptly a large quantity of milk, egg whites, or gelatin solution; if these are not available, drink large quantities of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a physician or Poison Control Center immediately. In case of inhalation exposure, move to fresh air.

Note to Physician: There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give a saline laxative and supportive therapy.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment wash waters. Refer to product labeling for use restrictions to protect endangered species.

Physical or Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

Benlate® trademark of E. I. duPont de Nemours & Co. (Inc.) for benomyl.

Cyrex® trademark of American Cyanamid for dodine.

Du-Ter® trademark of Griffin Ag Products Co., Inc. for triphenyltin hydroxide.

Mertect® trademark of Merck and Co., for thiabendazole.

Super Tin® trademark of Griffin Ag Products Co., Inc. for triphenyltin hydroxide.

Supracide® trademark of CIBA-GEIGY for methidathion.

Tilt® trademark of CIBA-GEIGY
U.S. Patent No. 4,079,062

Topsin® trademark of Penwalt Corporation for thiophanate-methyl.

Zolone® trademark of Rhone-Poulenc for phosalone.

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419
CGA 72L9E 069

Tilt®**Fungicide**

For control of certain diseases in cereals, grasses grown for seed, pecans and sugarcane

Active ingredient:
1-[(2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl) methyl]-1H-1,2,4-triazole 41.8%

Inert ingredients 58.2%

Total: 100.0%

See directions for use in attached booklet

EPA Reg. No. 100-617

EPA Est. 100-AL-1

Tilt® trademark of CIBA-GEIGY
U.S. Patent No. 4,079,062

One Gallon
U.S. Standard Measure

Keep Out of Reach of Children.**WARNING****Precautionary Statements****Hazards to Humans and Domestic Animals**

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Physical or Chemical Hazards

Do not use, pour, spill, or store near heat or open flame. In event of spill, fire or other emergency, call 1-800-888-8372 day or night.

Store at temperatures above 0 F

Do not apply this product through any type of irrigation system.

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