



INTERNATIONAL LABEL TEXT

All country-specific regulations must be observed

SCORE 250 EC[®] 250 EC

A-7402 G

Pack size:

Registration Number:

Emulsifiable Concentrate

Fungicide

Systemic fungicide for long-lasting preventative and strong curative, broad-spectrum-control including leaf spot diseases, powdery mildews, rusts and scab of annual and perennial crops.

Active Ingredient Content

250 g/litre difenoconazole (iso draft) *

- 1-{2-[4-(4-chlorophenoxy)-2-chlorophenyl-(4-methyl-1,3-dioxolan-2-yl)-methyl]}-1H-1,2,4-triazole (CA)

Physical Properties

Yellow to brown clear liquid

First Aid / Antidote

If any indisposition occurs, call a physician and apply First Aid measures as described on page 9. No specific antidote is known. Apply symptomatic therapy.

Hazard Classification

- WHO Class III (The product is unlikely to present acute hazard in normal use.)

Note: Registration number and pack size must appear on all local labels.

For more information on the directions for use, refer to the *Product Profile*.

This ILT serves as a basis for local label texts



Green

Irritating to the skin. Risk of serious damage to the eyes.

KEEP LOCKED UP OUT OF REACH OF CHILDREN. KEEP AWAY from food, drink and animal feeding stuffs. **WEAR** suitable protective clothing.

Telephone Johnson Controls, Basel, Switzerland: +41 61 696 33 33

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Mode of Action

SCORE 250 EC is taken up by the plant and acts on the fungal pathogen during penetration and haustoria formation. It stops the development of fungi by interfering with the biosynthesis of sterols in cell membranes. Although the mode of action permits protective and curative use, it is recommended to apply the product early enough to avoid irreversible crop damage and build-up of the disease.

Crop Tolerance

When used as recommended, SCORE 250 EC is well tolerated by all crops. Applications in wheat must be restricted to the later part of the growing season; growth stages (Zadoks) 55-69, to avoid appearance of reversible but unsightly chlorotic lesions on the foliage.

IPM-Fitness

SCORE 250 EC has a high level of activity at low application rates. Its flexible application timing is suited for disease forecasting and warning systems. At recommended use rates SCORE 250 EC has no impact on soil organisms and fertility and is practically harmless against predatory mites and beneficial insects. SCORE 250 EC is therefore a suitable product for use in IPM systems.

Directions for Use

Failure to follow directions on this label may result in crop injury or poor disease control.

Field Crops

Crop	Disease	Rate l/ha or (ml/100l)	Spray interval days	Timing of application
Corn	Rust, corn blight, grey leaf spot	0.3-0.5 0.5 0.3-0.5	14	2 or 3 sprays, protective schedule at the beginning of disease onset
Peanuts	leaf spot, web blotch and rust	0.3-0.5	14	1 st spray at onset of disease, 4-8 sprays total
Potatoes	early blight	0.3-0.5	7-10 (14)	14 d intervals at higher rate or when disease pressure low; 4-7 sprays total
Wheat	head and leaf disease complex	0.3-0.5		apply at GS 55-69; earlier timing can induce phytotoxicity
Sugar Beets	leaf spots, powdery mildew, rust	0.25-0.5	14-30	3 spray total, protective schedule, spray interval depending on the level of disease pressure.

Fruit Crops

Apples, Pears	scabs, rusts, powdery mildew	0.3-0.3 (10 – 15)	7 – 10	protective schedule: 7-10 d from green tip to 10 mm diam. fruit, 12-18 d thereafter curative scab control: within 96 h after the begin of an infection period, between green tip and 20-30 mm fruit
	leaf spot (alternaria)	04 – 06 (20 – 30)	10	
Citrus	scab	(20-100)	30	one spray at bud stage: <i>Elsinoe australis</i> three sprays in 30 days interval: <i>Elsinoe fawcettii</i>
Mango	powdery mildew, anthracnose	0.4-1.0 (40-100)	10-14 early, 28 late in season	protective schedule, 1st at flowering, interval may be extended to 28 days later in season
Cocoa	vascular streak dieback disease	(40-80)	14	sprays begin in the nursery from the first leaf unfolding till transplanting, as well as on young trees after transplanting

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Grapes

Grapes	powdery mildew	0.12-0.2 (12-20)	14	1st application at onset, 6-8 sprays total
	black rot	0.12-0.2 (12-20)	10-14	acc. to local forecast, 1st spray when flower clusters developed
	rotbrenner	0.12-0.2 (12-20)	7-17	1st spray at 2-3 leaves, repeat 3 leaves later

Vegetable Crops

Tomatoes	early blight & Septoria leaf spot	0.5 (50)	7-10	1st spray at onset of disease
Cabbage	dark & white leaf spot	0.5	14	1st spray at onset of disease
Carrots	Alternaria leaf blight	0.5	10-14	1st spray at onset of disease
Cauliflower	dark leaf spot	0.5	14	1st spray at onset of disease
Celery	Cercospora & Septoria	0.3-0.5	14	1st spray at onset of disease
Chili Pepper	Cercospora leaf spot, anthracnose	0.5	7-10	1st spray at onset of disease
Garlic	blight & rust	0.5	7-10	1st spray at onset of disease
Leek	rust	0.5	14	1st spray at onset of disease
Lettuce	Alternaria spot	0.4-0.5	10-14	1st spray at onset of disease
Onions	purple blotch	0.5-0.7	7-10	1st spray at onset of disease
Peas	Ascochyta leaf spot, powdery mildew	0.5	14	1st spray at onset of disease
Red Beet	Cercospora leaf spot	(40)	10-14	1st spray at onset of disease
Cucurbits	powdery mildews, gummy stem blight,	0.3-0.5	7-14	1st spray at onset of disease
Capsicum	powdery mildew	(20)	14-21	1st spray at onset of disease
Beans, Phaseolus	Isariopsis leaf spot, rust anthracnose	0.3-0.5	7-14	1st spray at onset of disease
		0.3-0.5	7-10	1st spray at beginning of flowering
Beans, Vicia	Aschochyta leaf spot	0.3-0.5		early flowering & pod filling (2 sprays total)

Ornamentals

Roses	Black spot, Rust, Powdery mildew	0.6 (60)	10-14	as from flowering
Gladiolus	Rust	0.5	10-14	as from 2-3 leaf stage
Iris	Rust	(12)	14-21	3 applications
Carnation	Rust	0.5	7-10	as from flowers half open

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Apply treatments early in a preventative manner to avoid build-up of high infection levels. Curative applications cannot be generally recommended.

Waiting periods (days)

Apple 14, asparagus 21, beans 14, brussel sprouts 21, cabbage 21, carrots 14, cauliflower 21, celery 21, chili pepper 3, cucurbits 3, garlic 7, mango 14, potato 14, tomato 7, others being determined. NB: Different PHIs may be approved at national level and as such must appear on the label. Please contact Regulatory Affairs CP 8.4 for country and crop specific information.

Application Information

Application technique / parameters

All application equipment has to be properly calibrated before use, with regard to forward speed, flow rate as well as thorough and even coverage of the whole plant.

Avoid spray drift to non-target sites. Stop spraying in winds higher than 5 m/s.

Do not spray during the hot hours of the day, if the foliage is wet, or if rain is imminent.

Ground application

Note: Adjust the spray volume to the size and volume of the crop, and do not spray over the run-off point.

Adjust the airstream of tractorised mist blowers with the help of baffle plates in order to minimize losses by drift and on soil.

Keep your walking speed steady when using portable equipment. With portable mist blowers run the engine always at full speed for best droplet formation.

Field crops and vegetables:

SCORE 250 EC can be applied with tractor boom sprayers, knapsack sprayers, portable mist blowers and power gun sprayers. For vegetables planted in individual rows treat over the top to minimize soil contamination.

Recommended spray volumes with tractor boom sprayers are 100 - 800 l/ha. Use 110° flat fan nozzles at 2 - 5 bar pressure. Filters in the spray system prevent nozzle clogging. The mesh size of nozzle filters should be adapted to the nozzle orifice, i.e. the smaller the nozzle, the finer the filter.

With knapsack sprayers 150 - 800 l/ha are recommended. Use hollow cone nozzles with a pressure of 2 - 5 bars. With portable mist blowers the recommended spray volume is 50 - 150 l/ha or more depending on the stage and size of the crop. Power gun sprayers should only be used if the crop is very dense.

Fruit crops:

SCORE 250 EC can be applied with spray guns, tractorised mist blowers, portable mist blowers or knapsack sprayers. Knapsack sprayers are only recommended for small crops.

As a guide the following spray volumes are recommended: spray guns 500 - 2000 l/ha, tractorised mist blowers 300 - 1000 l/ha, portable mist blowers 100 - 400 l/ha, and knapsack sprayers 300 - 1000 l/ha.

Tractorised mist blowers should be equipped with hollow cone or flat spray nozzles. Use a pressure of 5 - 15 bars.

Grapes:

SCORE 250 EC is best applied with tractorised mist blowers, portable mist blowers or knapsack sprayers. Treat the crop from both sides.

The following spray volumes are recommended: tractorised mist blowers 150 - 500 l/ha, portable mist blowers 50 - 150 l/ha, and knapsack sprayers 300 - 500 l/ha. With tractorised mist blowers use hollow cone or flat fan nozzles equipped with respective filters at a pressure of 5 - 10 bars.

With knapsack sprayers use hollow cone nozzles at a pressure of 2 - 5 bars. Do not move the spray lance merely up and down, but in large circular movements.

Protected crops (vegetables and ornamentals) in glasshouses and under plastic:

SCORE 250 EC can be applied with spray guns, horizontal and vertical boom sprayers or knapsack sprayers. In view of the usually dense crop stands, particular care has to be taken to achieve thorough coverage also of the lower plant parts. Spray volumes between 200 - 2000 l/ha are recommended.

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We caution against the use of ULV sprayers, misters and foggers. Efficacy might be reduced.

Mixing

Make certain the sprayers are clean and not contaminated. Calculate carefully the required amount of spray mixture in order to prevent any left-over in the spray tank after treatments. Do not pre-mix in bulk for more than a day's work. For operator safety do not contaminate the outside of the sprayer.

Triple rinse empty containers and add the rinse to the spray mixture.

Tractorised equipment

Fill the spray tank/mixing tank to 1/4 - 1/3 with clean water and start agitation. Add the required amount of SCORE 250 EC and continue agitation whilst adding the rest of the water. Agitate the mixture thoroughly before use and continue agitation during spraying. When filling the spray tank/mixing tank the filling hose should always be above water level in order to prevent suck back.

Portable equipment:

If no mixing tanks are used, fill half of the sprayer with clean water, add the calculated and measured quantity of product, close the knapsack lid, shake well for a short interval, and then continue to fill the sprayer with water.

Compatibility

SCORE 250 EC is tank-mix-compatible with major commonly used pesticides. Although no specific miscibility problems are known, it is generally recommended that this point be checked with the locally available partner formulation on a small scale first.

Clean-up procedure

Flush the sprayer with clean water after application or at the end of the day. Spray the rinsing at a dilution rate of at least 1:10 (spray mixture: rinsing) on the crop. Clean also the filters.

Safety Aspects

Precautionary measures

Keep locked up out of reach of children and other unauthorized persons, and animals.

Operator safety

AVOID any contact of skin, eyes or clothing with concentrate or spray mixture. DO NOT breathe vapor or spray mist. DO NOT eat, drink or smoke while handling the product, wash hands and face before doing so. If any indisposition occurs, stop work, follow first aid measures, and call a physician.

Wear protective clothing, i.e. for preparation: impermeable gloves, overalls, and eyes/face protection, for application: overalls, hat or cap, and solid footwear. AFTER USE, thoroughly clean protective equipment and wash entire body and change clothing. Wash contaminated clothing before re-use.

First Aid

If poisoning is suspected, stop work immediately and call a physician. Show label to the physician. In case of contact with skin, remove contaminated clothing; wash affected body parts immediately with plenty of water and soap. Rinse splashes from eyes with abundant fresh and clean water for several minutes. If inhaled move to clean air. If swallowed, repeatedly administer medicinal charcoal in plenty of water. Seek medical advice if a large volume of concentrate was ingested.

Note: Never give anything by mouth to an unconscious patient and do not induce vomiting.

Environment and wildlife

Toxic to algae, daphnias' and fish. Do not contaminate water used for irrigation or domestic purposes or water areas, such as flowing or stagnant waters, drainage systems by dispersal of product wastes. Keep all livestock out of areas to be treated. Do not contaminate food or feed.

Spillage and leakage

Remove heavily contaminated soil layer and bury in a safe place away from water supplies. Collect up spilt

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material thoroughly and bury it in a safe place or put it in a waste bin or in a plastic bag and dispose of on a landfill-site approved for pesticides. Rinse spill area with plenty of water.

Note: Spilt product must not be re-used.

Product and container disposal

Provided there are no local legal or other rules and regulations, the following procedure is recommended: Dispose of surplus product on a landfill site approved for pesticides or bury at a safe place away from water supplies. Dilute surplus application mixture; pour it broadcast on fallow land. Empty containers well, rinse several times and add rinse solutions to the spray tank. Dispose of containers made of cardboard, paper or plastic on a land fill site or burn in a safe place. If burned stay out of the smoke. Be sure that the smoke or fumes will not damage nearby plants, crops or trees. DO NOT re-use empty containers for any other purpose.

Note: ALWAYS comply with local legal requirements.

Storage conditions

Store away from sun and damp, in a well-ventilated area apart from food and feed, under lock and key. DO NOT contaminate water, food or feed.

Avoid storage below -5 °C and above +35°C.

Shelf life:

(The shelf life is: for temperate climates: at least 3 years for hot climates: at least 2 years

According to the *FAO Guidelines on Good Labeling*

Practice, if the shelf life as registered under local conditions is 2 years or more, no information on the label is required, unless explicitly requested by the local Registration Authorities; if the shelf life is less than 2 years, then information on storage stability must appear on the label, e.g.):

“at least years from date of manufacturing, in unopened containers.”

Or “best use before (date).”

Legal Aspects

Before applying the product read the attached package leaflet.

User's risk

The user bears the risk for damage resulting from factors beyond the manufacturer's control.

Resistant strains of fungal diseases may develop or may exist against which fungicides may not be effective resulting in crop loss. Since the occurrence of such strains cannot be forecast, neither the manufacturer nor its distributors can accept responsibility for any loss or damage caused by failure of fungicides to control resistant strains.

All recommendations for use of the product are based on the current state of the manufacturer's knowledge. Since the manufacturer cannot control the application, use, storage or processing of the product, the manufacturer cannot accept responsibility therefor.

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