

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Morestan[®]

MITICIDE – FUNGICIDE SPRAY

Active Constituent: 250 g/kg OXYTHIOQUINOX

GROUP	X	FUNGICIDE
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For control of powdery mildew and mites on cucurbits and post harvest control of mites on apple, pear and peach trees as specified in the DIRECTIONS FOR USE table

GENERAL INSTRUCTIONS

Fungicide Resistance Warning

Morestan is a quinoxaline fungicide. For fungicide resistance management Morestan is a Group X fungicide. Some naturally occurring individual fungi resistant to Morestan and other Group X fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Morestan and other Group X fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Morestan to control resistant fungi.

Special warning - crop safety in cucurbit crops

There are certain conditions that can increase the possibility of minor marking of leaf tissue and young fruit in some cucurbit crops. Avoid application of Morestan when temperatures are high (>30 °C), or during extended periods of unusually cold weather. In conditions where young leaf growth and young fruit are very soft and tender, do NOT use the higher label rates. Do NOT apply in tank mixtures with oil-based products. Do NOT apply immediately after an application of an oil-based product. Do not apply with emulsifiable concentrate (EC) products unless the supplier of that product can support the compatibility of that mixture with Morestan. By utilising fungicide resistance strategies which recommend alternation with other chemical groups after fruit set, the risk of marking to fruit can be minimised.

Compatibility

It is best to apply Morestan alone. However, Morestan has been used satisfactorily with either Antracol[®], Bayfidan[®] or Nitofol[®]. Do not use wetting agents. Do not mix Morestan with strongly alkaline materials such as Bordeaux mixture. Do not mix Morestan with emulsifiable concentrates except Bayfidan[®] and other fungicides used in a powdery mildew resistance strategy program on cucurbits. Do not mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Bayer CropScience, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Bayer CropScience cannot be responsible for the behaviour of such mixtures.

Mixing

To the required quantity of Morestan add a small amount of water and stir to make a paste. Add further water and mix until a cream results. Pour this into water in spray vat while stirring or with agitators in motion.

Application (Apples, Pears, Peaches)

Special Instructions for Tree Crops

Dilute Spraying

- Use a sprayer designed to apply high spray volumes, up to the point of run-off and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient spray volume to cover the crop to the point of run-off. Avoid excessive run-off.
- The required spray volume to achieve point of run-off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other expert advice.
- Add the amount of product specified in the DIRECTIONS FOR USE table for each 100 L of water. Spray to the point of run-off.
- The required dilute spray volume to achieve point of run-off will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying

- Concentrate spraying is not appropriate with this product.



Export of Treated Produce

Growers should note that suitable Maximum Residue Limits (MRLs) or import tolerances may not be established in all markets for produce harvested from Morestan treated plants. Please check with Bayer CropScience for the latest information on MRLs and import tolerances before using Morestan Miticide – Fungicide Spray.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Dispose of at a local authority landfill. If no landfill is available, bury the container below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Will irritate eyes and may irritate skin. Repeated exposure may cause allergic skin reactions. Avoid contact with eyes and skin. Do not inhale dust or spray mist. When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length PVC gloves, goggles and a disposable dust mask. If product on skin immediately wash area with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet, which can be obtained from www.bayercropscience.com.au.

EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

Morestan[®], Antracol[®], Bayfidan[®] and Nitofol[®] are Registered Trademarks of Bayer.

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FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 033 111
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DIRECTIONS FOR USE

Restraint

DO NOT apply Morestan within 2 weeks before, or 3 weeks after, application of an oil spray.

CROP	PEST or DISEASE	RATE	CRITICAL COMMENTS
Cucurbits	Powdery mildew (Qld ONLY)	25-40 g/100 L or 250-400 g/ha	SEE SPECIAL WARNING - CROP SAFETY IN CUCURBIT CROPS, IN GENERAL INSTRUCTIONS. Spray every 5 to 10 days as soon as first spots of mildew appear. Use higher rate when disease is severe. Note on cucurbits: High temperatures at the time of application of Morestan to cucurbits and in the days following may lead to accentuation of sunburn and blemishes on fruit. APPLICATION OF MORESTAN, ESPECIALLY AT THE HIGHER RATES, IS NOT RECOMMENDED IF TEMPERATURE EXCEEDS OR IS LIKELY TO EXCEED 30°C.
	Powdery mildew (NSW, ACT, Vic, Tas, SA, WA ONLY)	40-50 g/100 L or 400-500 g/ha	
	Two-spotted mite	40-50 g/100 L or 400-500 g/ha	Apply as a thorough spray at the beginning of a mite build up. Repeat as required at 10 to 14 day intervals. Cucurbit CRITICAL COMMENTS above also apply.
Pear trees (post harvest only)	Two-spotted mite	50 g/100 L (dilute spraying)	In irrigation areas apply two sprays 7 to 10 days apart immediately after harvest of each block. Careful monitoring of mites may show that one spray is sufficient. Apply by dilute spraying equipment only. Refer to Application section in GENERAL INSTRUCTIONS. Concentrate spraying is not appropriate for this use. Spray in cool humid conditions, i.e. around dawn. Avoid spraying during the heat of the day. Note: leaf scorch can occur after spraying due to effect of mites present at or before spraying.
Apple and peach trees (post harvest only)	Two-spotted mite, European red mite (suppression only)	50 g/100 L (dilute spraying)	Spray early varieties immediately after harvest, as for pears. One spray should be sufficient where predatory mites are active.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIOD:

Cucurbits: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION