



UNYUNOX[®] 250 EC


SELECTIVE HERBICIDE

Unyunox 250 EC contains 250 g/L ioxynil present as the octanoate ester (MOA Group 6)

Control of certain broadleaf weeds in onions, garlic and fine turf grass



Benefits

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- Fast-acting contact herbicide for use in onions, garlic and fine turf grass
 - Wide range of weeds controlled including common weeds in onions such as twin cress, black nightshade, wild turnip, cleavers and fumitory
 - Liquid formulation for ease of use
 - 3-hour rainfastness
 - Tried and trusted active ingredient

Background

Ioxynil, the active ingredient of Unyunox[®] 250 EC Selective Herbicide, has been used successfully for many years for the early control of many broadleaf weeds in onions.

Unyunox 250 EC is a valuable part of the post-emergence weed control program for onion and garlic growers, with reliable control of many of the common weeds.

Mode of Action

Unyunox 250 EC is a Group 6 Herbicide and is a member of the nitrile group of herbicides. The mode of action of group 6 herbicides is to inhibit photosynthesis at photosystem II.

This means that treated weeds cannot fix CO₂ or produce the nutrients needed for their survival.

Unyunox 250 EC is a fast-acting contact herbicide. It has no translocation or soil activity, so thorough spray coverage is essential for effective weed control.

Use Rates and Timing

Unyunox 250 EC is registered at a range of rates in onions and garlic, and can be applied as a stand-alone herbicide treatment or as a tank mix with another registered onion herbicide in multiple applications. Tank mixes should only be used according to partner herbicide label directions and only if the compatibility and crop safety has been tested first.

Unyunox 250 EC is applied when crops reach at least the 3-leaf stage and when the herbicidal effects of any previous treatment have disappeared.

Application should follow standard pre-emergence herbicide treatments or cultivation. This application timing allows the weeds to still be small enough for successful treatment by the time the onions have reached the tolerant stage.

Unyunox 250 EC does not persist in the soil and a further application may be made if conditions favour later germination of weeds.

It is popular with many onion growers to use multiple split rate applications to keep pressure on the weeds and reduce the potential for scorching of the onions. Split applications applied 7 days apart can improve control on some weed species.

Spray in warm weather when weeds are actively growing.

Best results are achieved when weeds are in the seedling stage (less than 4 leaves). Use the higher recommended rates on young plants – see Directions for Use Table for best timing and use rate by weed.



Crop Safety

Apply from the 3-leaf crop stage.

Onions may show symptoms of slight scorch or wilting after applications of Unyunox 250 EC, but this is only a temporary condition and is unlikely to adversely affect final yield.

Withholding Period

Not required when used as directed.

When tank mixing, follow the withholding period of the mixing partner.

Application

Apply through any standard crop sprayer capable of giving uniform coverage. Good, even coverage of weed foliage is essential due to the contact action of Unyunox 250 EC.

For onions and garlic, a spray volume of 450 litres or more per hectare is recommended. For fine turf grass, use 200–300 litres of water per hectare.

It is recommended that spray pressures of at least 200 kPa should be used and nozzles selected to give fine spray droplets. Coarse nozzles or low-pressure jets are not recommended.

Mixing

Half fill the spray tank with clean water and add the required amount of Unyunox 250 EC. Top up with water and ensure thorough mixing before spraying.

Directions for Use Table

The following does not constitute the complete directions for use.

The product label should be read thoroughly before opening the packaging.

USE IN ONIONS, GARLIC AND FINE TURF GRASS

Weeds controlled at 1.8 to 2.7 L/ha:

Annual Sowthistle, Black Nightshade, Chickweed, Cleavers, Cornbind, Dandelion, Fathen, Musky Storksbill, Onehunga weed, Scarlet Pimpernel, Shepherds Purse, Staggerweed, Twincross, Wild Turnip, and Willow weed

Weeds controlled at 2.7 L/ha:

Buttercup, Cudweed, Field Pansy, Fumitory, Groundsel, Nettle, Oxeye Daisy, Plantains, Red Deadnettle, Speedwell spp., and Stinking Mayweed

Severe check to seedlings at 2.7 L/ha:

Clover, Spurge, and Wireweed

Top growth will only be checked, recovery may occur, at 2.7 L/ha:

Californian Thistle, Docks, and Hydrocotyle

Additional Information

Weeds which germinate after spraying will not be controlled.

Do not spray in drought conditions, or if rain is likely within three hours. Unyunox 250 EC should not be used on weed greens such as *Dichondra*, *Cotula* (*Leptinella*) species, *Plantago triandra*, etc.

Grass weeds are not controlled by applications of Unyunox 250 EC.

Application Checklist: Onions

Rate: 1.8–2.7 L/ha

Consider split applications

Water Rate: ≥450 L/ha

Use fine droplets and ≥200 kPa pressure

Timing: From at least 3-leaf crop stage

Weather: Warm conditions (not drought)

Rainfast: 3 hours

Information and data referred to herein were generated using products and rates that were registered at the time, may include extracts from the product label and does not constitute the complete directions for use. Always read and follow product labels.

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