



ADAMA

Optex®

Plant growth regulator

Product overview

Optex® plant growth regulator reduces the risk of lodging in wheat, barley and oats and head-loss in barley, improving harvest efficiency. This differentiated formulation contains 175 g/L of trinexapac-ethyl and a unique adjuvant system that enhances uptake and distribution for optimal performance and reduced environmental losses. Optex should be applied in conjunction with a robust fungicide program. Refer to ADAMA's extensive fungicide range for tank-mix options.

Key features

- Manages crop growth in conditions conducive to excessive vegetative growth, reducing the risk of yield loss from lodging
- Reduced lodging improves harvest speed and reduces grain loss
- Increases grain quality by reducing mould and fungal contamination associated with lodged crops
- Unique adjuvant system ensures quicker and more consistent uptake of the active ingredient for improved performance and reduced environmental losses
- Solvent-free, low odour formulation prevents odour and skin sensitivity issues
- Completely water soluble for improved compatibility with most commonly-used cereal fungicides, insecticides and liquid fertiliser products

Target agronomic issue

Crop	Use	Application rate
Barley	Suppression of brackling/head loss	285–570 mL/ha
Barley and Oats	Reduction of excessive crop biomass and lodging	430–570 mL/ha
Wheat		430–570 mL/ha or 285 mL/ha plus 1000–1300 mL/ha chlormequat (750 g/L)

Withholding periods

Harvest: Not required when used as directed

Grazing: Do not graze or cut for stock food for 4 weeks after application

Product information

Active ingredient:
175 g/L trinexapac-ethyl

Formulation:
Emulsifiable Concentrate (EC)

Registered crops:
Wheat, barley, oats

Registered uses:
Increases grain yield potential through suppression of brackling/head loss and lodging

Application information

Application timing:
GS30–32 when 2nd node is detectable on main tiller and the majority of other tillers have 1st node detectable above ground level

Water volume:
Ground: 50–100 L/ha
Aerial: Minimum 20 L/ha

Spray quality:
Medium

Re-entry period:
When spray has dried

Rainfastness:
Do not apply if rainfall is expected within 2 hours



GROWTH
REGULATOR

Crop safety

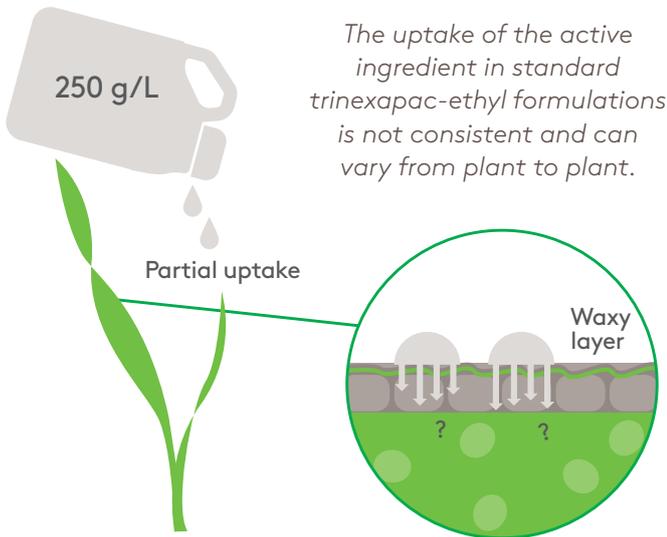
Yield may be negatively affected if Optex is applied to crops under stress, suffering from nutrient deficiency, disease, drought stress, insect or nematode damage, herbicide effects or frost. Contact your agronomist or ADAMA representative before application.

Unique adjuvant

Optex is a highly effective new generation formulation of trinexapac-ethyl containing an improved adjuvant system. The updated adjuvant system reduces surface tension, maximising the spread of spray droplets on green tissue, and increases lipophilic (oil or water compatibility) properties. Since the wax layer on the surface is also lipophilic, droplets of Optex spray

mix spread much more effectively than standard formulations and bonding with the waxy surface results in a more efficient uptake of trinexapac-ethyl into the leaf, maximising plant response. These benefits reduce environmental losses and improve performance at lower rates of active ingredient. Field trials conducted in Australia and overseas have confirmed Optex out-performs standard trinexapac-ethyl formulations. Figure 1 shows wheat leaves treated with Optex and a standard trinexapac-ethyl formulation at the same time. The dark areas indicate the presence of trinexapac-ethyl in foliage one hour (left) and 24 hours (right) after treatment. These images show the active ingredient in Optex is absorbed by plants more quickly and uniformly than the leading competitor.

Standard trinexapac-ethyl formulations



Optex

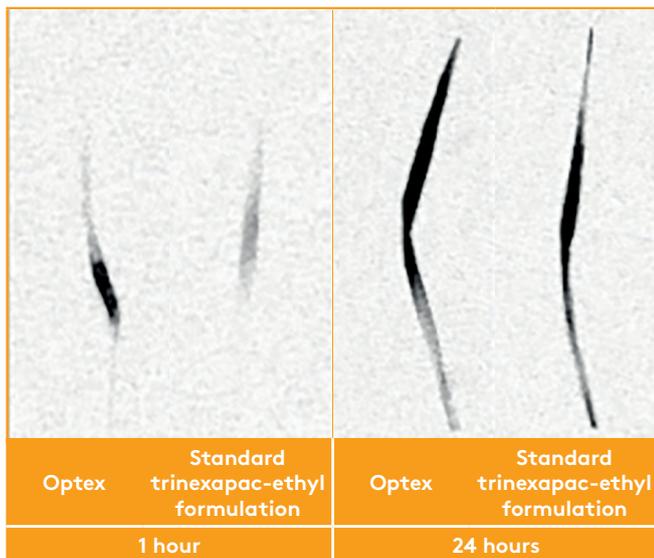
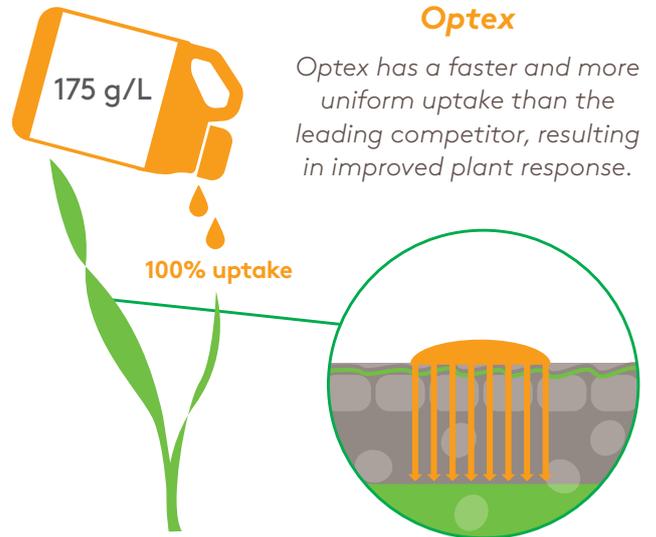


Figure 1: Optex leaf uptake compared with a standard trinexapac-ethyl formulation applied at the same time.



Scan here for more information



*Refer to registered labels.

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