

Lightning®

Herbicide

Lightning contains 525 g/kg imazethapyr, 175 g/kg imazapyr (MOA Group 2)

The CLEARFIELD® Production System for Maize

LIGHTNING® HERBICIDE:

- Is a Group 2 Herbicide
- Is a custom designed herbicide for use in CLEARFIELD maize (corn) only
- Is a highly concentrated WG formulation (water dispersible granule)
- Is safe to use with low application rates per hectare
- Gives flexibility in crop rotation
- Is not easily broken down through exposure to sunlight, giving greater residual control
- 1 kg pack size treats 8–10 hectares

THREE STRIKES AND THEY'RE GONE



- ⚡ Kills emerged weeds with no crop effect
- ⚡ Controls emerging weeds
- ⚡ Gives extended crop weed control

Key Product Benefits

- Early post-emergent weed control means higher yield potential.
- Broad spectrum, one pass knockdown and season long residual control of broadleaf weeds and hard-to-kill grasses including Johnson grass (seedlings) and nutgrass.
- Stable in soil and does not leach out, therefore posing no risk to watercourse contamination.

Key Weeds Controlled

Controls broadleaf and grass weeds including:

- boggabri weed
- turnip weed
- anoda weed**
- barnyard grass**
- caustic creeper**
- crowsfoot grass**
- Johnson grass (seedlings only)
- ground cherry
- wild gooseberry
- nutgrass**

** Surviving plants will generally be retarded and will not compete with the crop.

Application Rates

Use rates **ONLY** within the labelled range of **100 to 125 g/ha**. Use the higher rate where ground cherry, wild gooseberry or nutgrass is present (see label for more details). Apply with a minimum 100 L water/ha.

Application Tips

To maximise the value in the CLEARFIELD system in terms of weed control and yield potential, apply Lightning Herbicide when maize is at 2-leaf stage.

Lightning Herbicide will control a wider spectrum of weeds pre-emergent compared to when it is applied post-emergent.

Applications should not be made later than the crop 6-leaf stage.

Use the spray adjuvants Hasten* or Kwickin* at 1 L/100 L in tank mix.

Apply to actively growing weeds when crop is not under stress.

Only use Lightning Herbicide on appropriate IT maize varieties.

It is recommended that you do not tank mix Lightning Herbicide with other herbicides.

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Paddock Selection

To minimise weed herbicide resistance, select paddocks without a long history of group 2 herbicide use.

Re-cropping Intervals

It is critically important to check the product label for detailed re-cropping periods.

Conditions favouring high levels of soil microbial activity will speed breakdown of the herbicide i.e. high soil moisture, warm temperatures and high soil organic matter.

In dry conditions and in low organic matter soils, Lightning Herbicide may persist for many months.

If in doubt, users should conduct a trial planting to assess any potential crop damage before planting commercial areas to a sensitive crop.

Key Agronomic Practices to Remember for CLEARFIELD Production Systems:

- Utilise crop rotation.
- Use herbicides with different modes of action. Do not solely rely on ALS-inhibiting herbicides for more than two out of four years, unless other weed control practices are implemented on target weed species.
- Manage weeds in crop-fallow rotation.
- Control volunteer CLEARFIELD plants.



Early weed control with Lightning Herbicide means higher yield potential.

Application Checklist

- Rate 100–125 g/ha
- Apply at maize 2-leaf stage
- Check paddock history and re-crop plan
- Apply in a minimum of 100 L water/ha with MEDIUM to COARSE droplets
- DO NOT use on maize varieties that do not have the IT gene. Check with seed companies for the appropriate variety
- Do NOT tank mix with other herbicides
- Use only Hasten or Kwickin as a spray adjuvant
- Order your Lightning Herbicide when you order your maize seed
- Read the product label

IT Maize varieties currently available

(AS OF MAY 2024)

Pacific Seeds (Advanta Seeds)	PAC 602 IT
	PAC 606 IT
	PAC 629 IT
Pioneer Seeds (GenTech Seeds)	P1315-IT
HSR Seeds	Amadeus IT
	Bolt IT
	Nero IT
	Zeus IT

Lightning Herbicide, as part of the CLEARFIELD Production System for maize, provides clean, high yielding maize with ultimately greater crop returns. It is backed by advice from agronomy and sales staff trained to support a Best Management Practice Program.

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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