



Lightning®

Herbicide for Clearfield® Maize

The Clearfield® Production System for maize. Clean, high yielding maize... Easy.

Three Important Components

1. **Lightning® Herbicide** controls a broad spectrum of grass and broadleaf weeds.
2. **High performance maize varieties** bred by the leading seed breeders in Australia.
3. **Field support** and advice by agronomy and sales staff trained to support a Best Management Practice (BMP) Program.

See the product label for more details on the Clearfield system.

Lightning:

- is a Group B Herbicide.
- is a custom designed herbicide for use in Clearfield maize.
- is a concentrated WG (water dispersible granule), formulation which has low use rates and is easy to use.
- 1 kg pack size treats 8-10 Hectares.

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 of contamination to watercourses.

Paddock Selection

To minimise weed herbicide resistance, select paddocks without a long history of group B 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 Weeds Controlled

Controls broadleaf and grass weeds including:

- | | |
|---------------------|-----------------------------------|
| ⚡ Boggabri weed | ⚡ crowsfoot grass** |
| ⚡ turnip weed | ⚡ Johnson grass (seedling only)** |
| ⚡ anoda weed** | ⚡ ground cherry |
| ⚡ barnyard grass** | ⚡ wild gooseberry |
| ⚡ caustic creeper** | ⚡ nutgrass** |

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



Good early weed control with Lightning Herbicide means higher yield potential.



Lightning®

Herbicide for Clearfield® Maize

Application Tips

To maximise the value in the Clearfield system in terms of weed control and yield potential, Lightning should be applied when maize is at the two leaf stage. Lightning 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 six leaf stage.

Water volume

A minimum water volume of 100 L per hectare is recommended with a MEDIUM to COARSE droplet size, according to specifications by American Society of Agricultural Engineers (A.S.A.E.).

Adjuvants and Tank Mixes

Hasten™¹ or Kwickin™² are the only adjuvants tested and recommended for use with Lightning. Mix at 1 L per 100 L.

Tank mixes with Fastac®, Fastac Duo, chlorpyrifos, dimethoate and 2, 4 - D.

Do NOT tank mix with other herbicides.

Stress

Lightning should not be applied to crops or weeds that are under stress due to moisture, temperature, insects, etc.

Rates

Use rates ONLY in 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).



Application Checklist

- Rate 100-125 g/ha
- Apply to maize 2 to 6 leaf stage
- Check paddock history and re-crop plan.
- Apply in a minimum of 100 L water /ha with MEDIUM to COARSE droplets.
- Only use on certified maize varieties with CLEARFIELD technology. Do not apply to other maize varieties.
- 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.

Always read the product label prior to opening the packaging.

AgNova Technologies Pty Ltd

ABN 70 097 705 158

PO Box 2069 Box Hill North

Victoria 3129 Australia

Ph: 03 9899 8100

AgNova Technologies Pty Ltd shall not be liable for any consequential or other loss or damage relating to the supply or subsequent handling or use of this product, unless such liability by law cannot be lawfully excluded or limited. All warranties, conditions or rights implied by statute or other law which may be lawfully excluded are so excluded. Where the liability of AgNova Technologies Pty Ltd for breach of any such statutory warranties and conditions cannot be lawfully excluded but may be limited to it re-supplying the product or an equivalent product or the cost of a product or an equivalent product, then the liability of AgNova Technologies Pty Ltd for any breach of such statutory warranty or condition is so limited.

©Copyright AgNova Technologies 2015

®Lightning is a registered trademark of BASF

™¹ Trademark of Victorian Chemical Company Pty Ltd

™² Trademark of GULF AG Pty Ltd