

# Hill 220OD

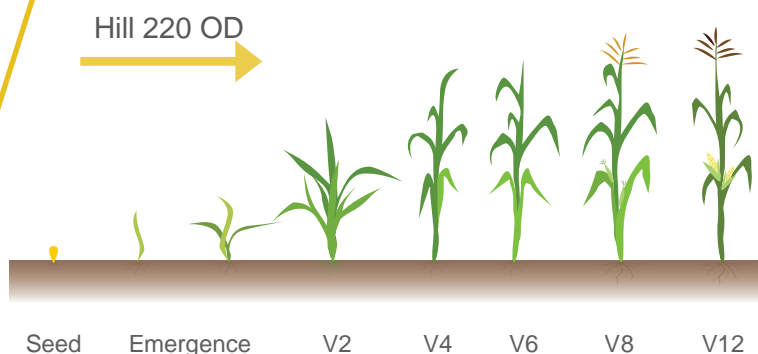
Active Ingredient:  
Nicosulfuron 20g/l + Atrazine 200g/l

~ **Modern Post Emergence**- herbicide for the control of grasses and broadleaf weeds in Maize.

~ **Excellent solution** for cost effective, long lasting residual weed management in maize.

~ **Novel OD formulation (Oil Dispersion)**

## Hill 220OD offers flexibility in post-emergence application timing



### Characteristics

- Selective, systemic herbicide
- Absorbed both from the leaf surface and the root system with rapid translocation throughout the plant.
- Moves both in the xylem and the phloem.
- Accumulates in the meristematic tissues.

Hill 220OD combines 2 different active ingredients in a single OD formulation, exhibiting a highly synergistic action

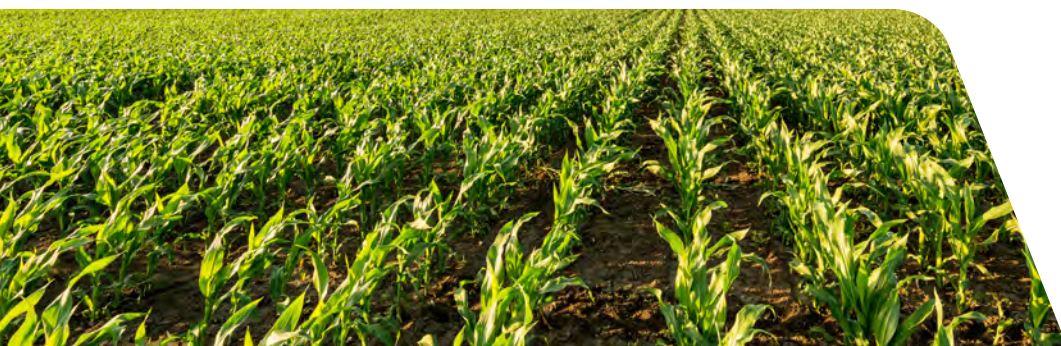
The combined application of both active ingredients in OD formulation results in greater efficacy than application of the two active ingredient stand-alone or in a tank mix.

### What is an OD ?

- OD is stable dispersion of active ingredients in oil.
- Each droplet contains all active ingredients in a single oil droplet covered by a oil film.
- In the usual, classic herbicide formulations, the A.I. are in water droplet covered by oil.

### The product contains oil as an emulsifier which provides advantages to the formulation:

- Carrier of the active ingredients into the lipophilic plant tissues.
- Increases the systemic activity
- Solvent of the Technicals in the formulation for enhanced safety.
- Safener – no phytotoxicity detected.
- Protects the A.I. from adverse conditions (UV, pH, heat, etc)
- Increased stability.



**Elvira BV**  
Randwycksingel 20-A015  
6229 EE Maastricht,  
The Netherlands

## Mode of Action

Hill 220OD contains two complimentary active ingredients in a highly synergetic OD formulation.

### Atrazine

- Triazine herbicide absorbed mainly by the roots, but also from the foliage.
- Acts by inhibiting the photosynthesis at photosystem II.
- Atrazine is effective against broadleaf weeds and some grasses.
- WSSA Group 5.

### Nicosulfuron

- Selective, systemic herbicide.
- Nicosulfuron is absorbed both from the leaf surface and the root system with rapid translocation throughout the plant.
- Nicosulfuron moves both in the xylem and the phloem.
- Accumulates in the meristematic tissue.
- Acts by inhibiting the acetolactate synthase ALS (acetohydroxyacid synthase AHAS).
- WSSA Group 2.

**To prevent the development of resistant weed biotypes, always alternate with herbicides with different mode of action through the season.**

## Application Timing

Directions for use:

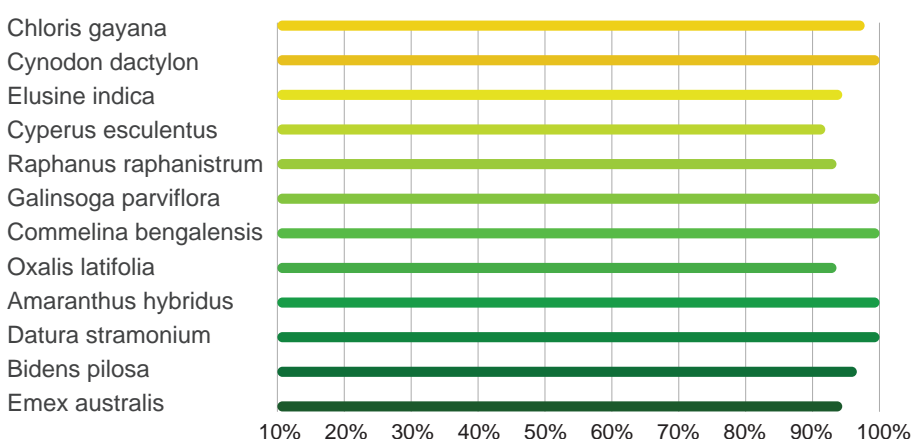
- Hill 220OD should be mixed with water to be ready for use.
- It may be applied with many types of spraying equipment.
- Do not apply this product through any type of irrigation system.
- Use clean water and avoid very hard water.

Crop	Target	Application Rate
Maize	Annual grasses, Broadleaf weeds	2.0L/Ha in 200L of water (200mls / 20L of water)

## Field Trials

- Extensive field trials and commercial applications have proven the efficacy of Hill 220OD against a wide range of weeds.
- In Kenya (2019) Hill 220OD was tested for the control of grasses and broadleaf weeds in Maize with excellent results.

### Hill 220OD Application @ 2,5 l/ha - % Weed control



### Conclusions of the trial

- Hill 220OD when applied in maize as a post-emergence herbicide significantly reduced grasses and broadleaf weeds.
- Hill 220OD had a positive effect on grain yield.

#### Disclaimer

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**Farmcare Solutions Limited.**

P.O. BOX 83-00625, Nairobi

Email: regfarmcare@gmail.com

