



The Chemical Company

Focus[®] Ultra

Reg. No.: L4319; N -AR 0807
HRAC HERBICIDE GROUP CODE A

Act No. 36 of 1947

A selective, emulsifiable systemic weed killer, for the post-emergent control of certain grasses in broadleaf- and forestry crops, as indicated.

Active ingredient:
Aktiewe bestanddeel:
Cycloxydim (cyclohexenone compound) 100 g / ℓ

Reg. Nr: L4319; N -AR 0807
HRAC ONKRUIDDODER GROEPKODE A

Wet Nr 36 van 1947

'n Selektiewe, emulgeerbare sistemiese-onkruidodder, vir die na-opkomsbeheer van sekere grasse in breëblaar- en bosbougewasse, soos aangedui.

Registered by / Geregistreer deur:

BASF South Africa (Pty) Ltd. / BASF Suid-Afrika (Edms) Bpk.
Co. Reg. No. / Mpy Reg. Nr 66/10235/07
P.O. Box 2801 / Posbus 2801, Halfway House 1685 / Halfweghuis 1685

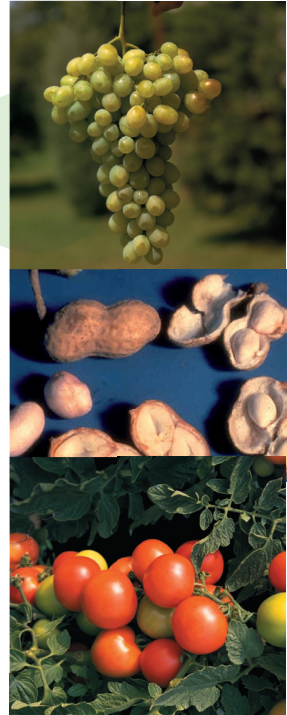
**Batch Number / Lotnommer,
Date manufactured / Datum vervaardig**

**EMERGENCY NUMBER / NOODNOMMER: 083 265 3805
Approval code: 27 / 11 / 02**

5 ℓ

®Registered Trade Mark of BASF /
Geregistreerde Handelsmerk van BASF

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**CAUTION
VERSIGTIG**



WARNINGS

ALLOW THE FOLLOWING NUMBER OF DAYS, BETWEEN APPLICATION AND HARVEST OR GRAZING:

Crop	Number of days if treated with dosage rates in ℓ / ha of:	
	1,2 or less	higher than 1,2 or as spot treatment
Lucerne, Clovers, Medics	10	30
Deciduous fruits	25	25
Dry- and Green beans,	30	30
Grape vines	30	30
Groundnuts, Soyabeans	35	35
Citrus, Subtropical fruits	40	40
Cotton	40	60
Onions, Tomatoes	50	50
Cucurbits, Lupins	55	55
Other crops	60	60

- Harmful when swallowed.
- May cause eye irritation.
- Store in a cool, dry place away from food, feed and seed.
- Keep out of reach of children, uninformed persons and animals.
- Water with a high alkalinity or with high salt concentrations may reduce the efficacy of **Focus® Ultra** and should therefore be avoided or neutralised with suitable buffer solutions where possible.
- Toxic to fish.

Aerial application:

- Notify and warn all inhabitants in the immediate area of the intended application and issue the necessary warnings.
- Do not spray over adjacent areas or water or permit spray to drift there.



Although this remedy has been tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors, such as abnormal climatic- and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weed against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment, or harm to man or animal, or for lack of performance of the remedy concerned, due to the occurrence of conditions which could not have been foreseen, in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

- Do not inhale spray mist.
- Wear protective goggles when handling the undiluted product.
- Wash after accidental skin contact.
- Do not eat, drink or smoke while using and before washing hands and face or change of clothing.
- Prevent spray drift onto other susceptible crops, grazing, rivers, dams or other water sources.
- Wash out applicator with clean water before using with other remedies.
- TRIPLE RINSE empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy empty container by perforating and flattening and do not re-use for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.



RESISTANCE WARNING

For resistance management Focus® Ultra is a HRAC Group Code A herbicide.

Any weed population, may contain individuals naturally resistant to Focus® Ultra and other Group Code A herbicides. These resistant individuals, can eventually dominate the weed population, if these herbicides are used repeatedly. These resistant weeds may not be controlled by Focus® Ultra, or any other Group Code A herbicides. To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides, from the same Herbicide Group Code.
- Alternate, or tank mix, with products from different Herbicide Group Codes.
- Integrate control methods (chemical, cultural and biological), into weed control programmes.

FOR SPECIFIC INFORMATION ON RESISTANCE MANAGEMENT, CONTACT THE REGISTRATION HOLDER, BASF SA (Pty) Ltd.

DIRECTIONS FOR USE:

USE ONLY AS DIRECTED

Compatibility:

Focus® Ultra is compatible when tank mixed with Bladbuff '5' (L3351).

Mixing instructions:

Half fill the tank with clean water. Measure the required quantity of Focus® Ultra and pre-mix this with at least 10 ℓ water. Add this mixture to the water in the spray tank while agitating the mixture. Fill the spray tank with water while maintaining agitation to ensure thorough mixing of the spray mixture before spraying commences. Maintain agitation during the whole spraying operation. When Focus® Ultra is tank mixed with other products, then whichever product(s) being used should be added to the water first, with Focus® Ultra being added later, just before the tank is topped up to reach the required volume. Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Use restrictions:

- Apply Focus® Ultra only on **actively growing** grass weeds.
- Allow at least three days between a Focus® Ultra application and any other herbicide treatment.



- Apply **Focus® Ultra** preferably in 150 ℓ water / ha (not exceeding 200 ℓ water / ha).

- **Focus® Ultra** can only be used on the following crops:

Citrus	Grape vines	Onions (incl. seedbeds)	Subtropical fruits:
Clovers	Green beans	Pineapples	Avocadoes
Cotton	Groundnuts	Potatoes	Cocos Palm trees
Cucurbit crops	Lucerne / Clover	Soyabeans	Litchis
Deciduous fruits	pastures	Sunflowers	Macadamia nuts
Dry beans	Lupins	Tobacco	Mangoes
Forestry crops (incl. nurseries)	Medics	Tomatoes (incl. seedbeds)	Papayas
			Pecan nuts

- In cases where follow-up crops are to be planted after **Focus® Ultra** has been applied, the following safety period should be allowed between application and planting:

Broadleaf crops: can be planted any time.

Grain- and grass crops: three weeks.

- Rain or irrigation within **one hour** after application of **Focus® Ultra** may necessitate a second spray.
- Ensure that cover of the weeds by the crop does not restrict the application of **Focus® Ultra** onto the weeds.

APPLICATIONS

Ground application:

Apply **Focus® Ultra** in 150 – 200 ℓ water / ha. Use flat fan, hollow cone- or full cone nozzles **delivering not more than 1,2 ℓ spray mixture per minute at a pressure of 3 Bar (300 kPa). Apply at a pressure of at least 3 Bar (300 kPa).** Ensure that the sprayer is correctly calibrated and that the spray mixture is evenly distributed over the target area.

Aerial application:

Aerial application of **Focus® Ultra**, may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:



- **Volume:** A spray mixture volume of 30 ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** The following number of droplets per cm² must be recovered at the target area: **Post-emergent:** 35 - 45.
- **Droplet size:** The following droplet spectrum is recommended: **Post-emergent:** VMD of 300 – 350 micron. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 - 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 - 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km / h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and / or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - damage to other sensitive crops and / or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.
- Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

It is recommended to increase the application rate as indicated for ground equipment by 10 %. Apply **Focus® Ultra** in a minimum of 30 ℓ water / ha and make sure that the correct amount of product is evenly distributed over the target area.



Application timing:

Focus® Ultra can be applied over the top at any stage of the crop, provided that safety periods as indicated under **WARNINGS** are adhered to. Ensure that the grass weeds are not beyond the growth stage as indicated in the **APPLICATION TABLE**.

Row- and spot treatments:

Focus® Ultra can also be applied as a row treatment, in which case the dosage rate and spray volume / ha should be adapted accordingly. In cases where only patches in the field are infested with grass weeds, it is recommended to apply **Focus® Ultra** as a spot treatment with a knapsack sprayer as a 2 % **Focus® Ultra** solution (200 ml **Focus® Ultra** / 10 l water).

Acidity of spray mixture:

Focus® Ultra normally performs better when applied in a slightly acid spray mixture with a pH of about 4 – 5. It is therefore advisable to add a pH-buffer solution, e.g. Bladbuff '5', to the mixture in cases where the pH of the spraying water is higher than the indicated optimum value. Refer to the Bladbuff '5' label for more details.

All spray applications must be made with suitable equipment, that is in good working order and correctly calibrated, to give the desired coverage for that particular method of application.



APPLICATION RATES (see USE RESTRICTIONS) AND LIST OF WEEDS CONTROLLED BY **Focus® Ultra**.

WEEDS CONTROLLED at indicated rates		Focus® Ultra in ℓ / ha*			
		Seedlings up to just before tillering stage.		Tillering-heading	
		Ground app.	Aerial app.	Ground app.	Aerial app.
<i>Digitaria ciliaris</i>	Tropical finger-grass	0,8	Add. 10% to dosage rates as indicated for ground equipment	1,6	Add. 10% to dosage rates as indicated for ground equipment
<i>Digitaria sanguinalis</i>	grass	0,8			
<i>Eleusine indica</i>	Crab finger-grass	0,8		1,6	
<i>Eragrostis virescens</i>	Goose grass	0,8			
<i>Paspalum paspalodes</i>	Chilean Love grass	0,8		2,0	
<i>Panicum schinzii</i>	grass				
<i>Urochloa panicoides</i>	Couch Paspalum	0,8			
<i>Avena fatua</i>		0,8		1,0	
<i>Avena sativa</i>	Sweet buffalo	1,0			
<i>Bromus diandrus</i>	grass	1,0		1,6	
<i>Bromus unioloides</i>	Herringbone grass	1,0		2,0	
<i>Dactyloctenium aegyptium</i>	Wild oats	1,0		2,0	
<i>Eragrostis aspera</i>	Volunteer oats	1,0		1,6	
<i>Eragrostis pilosa</i>	Ripgut brome				
	Rescue grass	1,0		2,0	
	Crowfoot	1,0			
<i>Eragrostis superba</i>					
<i>Hordeum capenses</i>	Rough Love grass	1,0			
<i>Panicum virgatum</i>	Slender meadow grass	1,0			
<i>Phalaris canariensis</i>	grass	1,0		3,0	
<i>Lolium multiflorum</i>	Flat-seed Love grass	1,0			
<i>Lolium temulentum</i>	grass	1,0			
<i>Sorghum sudanense</i>		1,0		2,0	
<i>Tragus racemosus</i>		1,0			
	Canary grass	1,0			
<i>Triticum aestivum</i>	Italian ryegrass				
<i>Chloris virgata</i>	Darnel	1,2		3,0	
<i>Panicum maximum</i>	Chicken Corn	1,2			
	Large carrotseed grass	1,2			
<i>Panicum stapfianum</i>	grass				
<i>Rottboellia exaltata</i>	Volunteer wheat	1,2			
<i>Setaria verticillata</i>	Feathertop-Chloris	1,2	1,6		
<i>Zea mays</i>	Common buffalo grass	1,2	1,6		
	grass	1,2			
	Guinea fowl grass				
	Sticky bristle grass				
	Volunteer maize				



WEEDS CONTROLLED at indicated rates	Focus® Ultra in ℓ / ha*			
	Seedlings up to just before tillering stage.		Tillering-heading	
	Ground app.	Aerial app.	Ground app.	Aerial app.
<i>Brachiaria eruciformis</i> Sweet signal-grass	1,6	Add. 10%...	4,0	Add. 10%...
<i>Cynodon dactylon</i> Common couch	2,0		4,0	
<i>Paspalum dilatatum</i> Common paspalum	2,0		4,0	
<i>Sorghum bicolor</i> Common wild subsp. <i>arundinaceum</i> sorghum	2,0		4,0	
Spot treatments: 200 m ℓ Focus® Ultra / 10 ℓ water.				
*Trial results are not yet available in cases where dosage indications are absent.				

Bladbuff '5' is a Registered Trade Mark of Plaaskem (Pty) Ltd.

