

# Stellar® Star

Reg. No. L9391; N-AR 2158

Act No. 36 of 1947

**READ ATTACHED PACKAGE OR LEAFLET BEFORE USE  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

GROUP	27	4	HERBICIDES
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**A soluble liquid herbicide, for control of early post-emergent grasses and broadleaf weeds (as specified), in maize.**

**'n Wateroplosbare-onkruidodder, vir die beheer van vroeë na-opkoms grasse en breëblaaronkruide (soos aangetoon), in mielies.**

Causes mild skin irritation. May damage the unborn child.

Very toxic to aquatic life with long lasting effects.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/clothing/eye protection.

**Active ingredients / Aktiewe bestanddele:**

Topramezone (pyrazolone).....50 g/l

Dicamba (benzoic acid compound).....160 g/l

**Registered by:**

BASF South Africa (Pty) Ltd  
Co. Reg. No. 66/10235/07  
852 Sixteenth Road  
P.O. Box 2801  
Halfway House 1685  
+27 11 203 2400

**Geregistreer deur:**

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® = Registered trademark of BASF / Geregistreerde handelsmerk van BASF

81170404 ZA 2083



**Batch No. & Date manufactured:** Refer to details printed on container  
**Lotnommer & Datum vervaardig:** Verwys na besonderhede gedruk op houer

**EMERGENCY NUMBER / NOODNOMMER: +27 82 446 8946**

**5** l

## WARNINGS

**Hazard Statements**

- Causes mild skin irritation.
- May damage the unborn child.
- Very toxic to aquatic life with long lasting effects.

**ALLOW THE FOLLOWING MINIMUM NUMBER OF DAYS BETWEEN LAST APPLICATION AND HARVEST OR GRAZING**

Maize (tank mixture application, <b>Early Post Emergence of the CROP</b> ); refer <b>DIRECTIONS FOR USE</b>	28
Maize (tank mixture application, <b>Early Post Emergence of the WEEDS</b> ); refer <b>DIRECTIONS FOR USE</b>	14
Maize (1.0 l/ha application) – refer <b>DIRECTIONS FOR USE</b>	56

- Handle with care.
- Harmful when swallowed.
- Store under lock and key out of reach of children, uninformed persons and animals.
- Store away from food and feedstuffs and in a cool place.
- **RE-ENTRY INTERVAL: Do not enter treated area until spray deposit has dried unless wearing protective clothing.**

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 soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, and the occurrence of resistance of the weeds 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

### Precautionary Statements

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/clothing/eye protection.
- IF exposed or concerned: Call a POISON CENTER or physician.
- Collect spillage.
- If skin irritation occurs: Get medical attention.
- Store locked up.
- Dispose of contents and container to hazardous or special waste collection point

- Do not inhale spray mist.
- Wash contaminated clothing daily.
- Wash with soap and water, after accidental skin contact.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Do not smoke, eat or drink during mixing and spraying operations, before washing hands and face thoroughly.
- Avoid spray drift onto other crops, grazing, rivers, dams and areas not under treatment.
- TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- **RELEVANT SUBSTANCES**

<b>Hazardous ingredients</b> According to UN GHS criteria	<b>CAS number</b>	<b>Concentration (W/W)</b>
sodium 3,6-dichloro-o-anisate	1982-69-0	15,83 %
topramezone (ISO); Methanone, [3-(4,5-dihydro-3-isoxazolyl)-2-methyl-4- (methylsulfonyl)phenyl](5-hydroxy-1-methyl-1H-pyrazol-4-yl)-	210631-68-8	4,5 %
Alcohols, C12-15-branched and linear, ethoxylated propoxylated	120313-48-6	< 30 %

### FIRST AID TREATMENT

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

<b>ON CONTACT WITH EYES:</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
<b>ON INGESTION:</b>	Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
<b>ON SKIN CONTACT:</b>	Immediately wash thoroughly with soap and water, seek medical attention.
<b>IF INHALED:</b>	Keep patient calm, remove to fresh air, seek medical attention.

**Indication of any immediate medical attention and special treatment needed**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote

**RESISTANCE WARNING**

For resistance management, Stellar® Star is a HRAC Herbicide Group Codes 27 and 4 herbicide. Any weed population, may contain individuals, naturally resistant to Stellar® Star and other Group Code 27 and 4 herbicides. The resistant individuals can eventually dominate the weed population, if these herbicides are used repeatedly and exclusively in programmes. These resistant weeds may not be controlled by Stellar® Star, or any other Group Codes 27 and 4 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.
- For tank mixing or alternation with products in other Herbicide Group Codes, refer to applicable individual product labels.
- Integrate other control methods (chemical and cultural), into weed control programmes.

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

**WAITING PERIOD FOR FOLLOW-UP CROPS**

- To avoid possible damage to follow-up crops, the waiting periods as indicated below, should be adhered to after the last application of Stellar® Star and the planting of the follow-up crop.
- However, the waiting periods mentioned here, will only be valid if the standard recommended Stellar® Star rate was applied.
- Refer to atrazine / terbuthylazine labels, for restrictions on those labels.
- A test planting is however recommended.

<b>CROP</b>	<b>WAITING PERIOD IN MONTHS</b>
Wheat and barley	1
Grain sorghum	2
Potatoes	6
Soya beans, dry beans, groundnuts, sunflowers and cotton	6
All other crops	10

## DIRECTIONS FOR USE: USE ONLY AS DIRECTED

### Compatibility:

**Stellar® Star** is compatible with known atrazine 500 g/l and atrazine / terbuthylazine (300/300 g/l) containing formulations, **Basagran®** (L2916), halosulfuron, **Fastac® SC** (L4992) and **Frontier® Optima** (L9391). Do not apply products containing cyanazine with **Stellar® Star**. **Stellar® Star** can be used sequentially, or in combination with soil or foliar applied insecticides registered for use in maize. **Stellar® Star** is also compatible with **Priaxor® (L11011)** and registered atrazine 500 g/l SC formulations, but should only be applied simultaneously if the weed stage and the fungicide application timing coincide

**IMPORTANT: Stellar®Star is ready formulated with an advanced adjuvant system. Additional spray adjuvants should not be used, as crop selectivity could be negatively influenced.**

### Mixing instructions:

Three-quarter fill the spray tank with clean water. Shake the **Stellar® Star** container well. Measure the required volume of **Stellar® Star** and pre-mix this with at least 10 l of water, before adding to the spray tank. Use a flowable (50 %) high quality ammonium sulphate to ameliorate poor quality water if necessary. Similarly, pre-mix other products individually i.e. atrazine or atrazine combinations as stated above, **Basagran®**, halosulfuron, **Fastac® SC** and add these diluted mixtures to the spray tank. Fill the spray tank with water to the required level while maintaining agitation, to ensure thorough mixing of the spray mixture, before spraying commences. Maintain agitation while spraying. The prepared spray mixture must not be left in the spray tank, for any length of time, e.g. overnight.

**It is recommended that Frontier® Optima (L7011) be applied, as a post-plant, pre-emergent application, before Stellar® Star is used (refer to Frontier® Optima label). Stellar® Star should be used in a programme with Frontier® Optima, for optimum results.**

## USE RESTRICTIONS

### Do not apply Stellar® Star in the following situations:

- On soils with a compaction layer, on lands where water logging often occurs, or soils with a nutrient deficiency.
- On inbred parent plants of maize hybrids, or experimental or newly released cultivars, without first consulting the advice of the distributor or manufacturer.
- Do not apply, after the maize has reached a height of 800 mm.

### Ground application:

- **Stellar® Star** can be applied as an overall application using in 200 – 300 l of water/hectare, or as a band application using the corresponding amount of water per hectare.
- Any medium or high volume tractor-mounted sprayer can be used, as long as it is fitted with an effective tank agitation system. Ensure that the sprayer can be properly calibrated and that the spray-boom is fitted with suitable spray nozzles (hollow-cone), to facilitate an even distribution of the herbicide on the weeds.
- **Stellar® Star** should be applied during favourable growing conditions for optimum crop tolerance and weed control. Apply **Stellar® Star** as a post-emergent treatment to maize when weeds are actively growing.

- Avoid disturbing (e.g. cultivation) treated areas for at least seven days, following an application of **Stellar® Star**, to allow optimum herbicide uptake, translocation and weed control.
- Weeds must be thoroughly covered with the spray. Dense leaf canopies shelter small weeds and can prevent adequate spray coverage. Where crop canopy formation is advanced, drop arms with wide angle nozzles are recommended to ensure proper coverage of the target area.

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.

CROP	WEED	DOSAGE	DIRECTIONS FOR APPLICATION
<b>MAIZE</b>	Annual grass and broadleaf weeds (as listed in <b>TABLES 1 &amp; 2</b> below)	Refer to <b>Frontier®Optima</b> label for dosage recommendations relating to soil clay %	<b>Frontier®Optima should be applied before or with Stellar®Star</b> (refer below to <b>Frontier®Optima</b> label for details).
		<b>Early Post Emergence of the CROP:</b>  700 ml/ha + 750 ml/ha <b>Frontier® Optima</b> + 1,5 l/ha atrazine 500 g/l SC	Apply at the 3-4 leaf stage of the maize in lieu of a pre-emergent herbicide application, especially when maize is planted early and cool conditions are anticipated.  A follow-up application at the 3-4 leaf stage of emerging weeds may be required.  Refer to <b>Frontier® Optima</b> label for details.
		<b>Early Post Emergence of the WEEDS:</b>  1.0 l/ha  <b>OR</b>  700 ml/ha + 1,5 l/ha atrazine 500 g/l SC or 1,25 l/ha atrazine / terbuthylazine (300 / 300 g/l SC)	Apply <b>Stellar®Star</b> as an <b>Early Post Emergent</b> application at the 3 – 4 leaf stage of the weeds. <b>Do not apply after the maize has reached a height of 800 mm.</b>  Use <b>Basagran®</b> or halosulfuron in a tank mixture with <b>Stellar®Star</b> where a moderate population of yellow nutsedge ( <i>Cyperus esculentus</i> ) occurs. Under heavier infestations of yellow nutsedge, apply EPTC as a <b>Pre-plant</b> incorporated application (refer to relevant labels and <b>DIRECTIONS FOR USE</b> for details of recommendations and additional weeds controlled).

## WEEDS CONTROLLED

The following weed species are normally controlled by a pre-emergent application of **Frontier® Optima**, followed by a post-emergent application of **Stellar® Star** plus recommended atrazine / atrazine + terbuthylazine combinations, in a tank mixture (refer to **DIRECTIONS FOR APPLICATION** in the table above).

**TABLE 1**

<b>GRASS WEEDS</b>			
<i>Brachiaria eruciformis</i>	Sweet signal grass	<i>Eragrostis curvula</i>	Weeping lovegrass
<i>Chloris gayana</i>	Rhodes grass	<i>Eragrostis tef</i>	Tef grass
<i>Chloris virgata</i>	Feathertop Chloris	<i>Lolium multiflorum</i>	Italian Ryegrass
<i>Dactyloctenium aegyptium</i>	Crowfoot	<i>Panicum maximum</i>	Common Buffalo Grass
<i>Digitaria eriantha</i>	Common finger grass	<i>Panicum schinzii</i>	Sweet Buffalo Grass
<i>Digitaria sanguinalis*</i>	Crab Finger Grass	<i>Tragus berteronianus</i>	Small Carrotseed grass
<i>Echinochloa colona</i>	Marsh grass	<i>Urochloa mosambicensis*</i>	Bushveld herringbone grass
<i>Echinochloa crusgalli</i>	Barnyard Grass	<i>Urochloa panicoides*</i>	Herringbone Grass
<i>Eleusine coracana</i>	Goose Grass		

\* These grasses are regarded as late germinators and variable control may occur, when the weed germination period is extended, during sub-optimal climatic conditions

**TABLE 2**

<b>BROADLEAF WEEDS</b>			
<i>Acanthospermum hispidum</i>	Upright starbur	<i>Euphorbia helioscopia</i>	Umbrella milkweed
<i>Amaranthus deflexus</i>	Perennial pigweed	<i>Fallopia convolvulus</i>	Climbing knotweed
<i>Amaranthus hybridus</i>	Common pigweed	<i>Flaveria bidentis</i>	Smelter's bush
<i>Amaranthus spinosus</i>	Thorny pigweed	<i>Gisekia pharmacoides</i>	Gisekia
<i>Amaranthus thunbergii</i>	Red pigweed	<i>Helianthus annua</i>	Sunflower (Volunteer)
<i>Bidens pilosa</i>	Blackjack	<i>Hibiscus trionum</i>	Bladderweed
<i>Chenopodium album</i>	White goosefoot	<i>Ipomoea purpurea*</i>	Morning glory
<i>Chenopodium carinatum</i>	Green goosefoot	<i>Nicandra physaloides</i>	Apple of Peru
<i>Citrullus lanatus</i>	Wild watermelon	<i>Physalis angulata</i>	Wild gooseberry
<i>Cleome gynandra</i>	Spider wisp	<i>Portulaca oleracea</i>	Purslane
<i>Cleome monophylla</i>	Spindlepod	<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Commelina benghalensis*</i>	Wandering Jew	<i>Schkuhria pinnata</i>	Dwarf Marigold

BROADLEAF WEEDS			
<i>Crotalaria sphaerocarpa</i>	Mealie Crostolaria	<i>Tagetes minuta</i>	Tall Khakiweed
<i>Datura ferox</i> *	Large thorn apple	<i>Tribulus terrestris</i>	Devil's Thorn
<i>Datura stramonium</i> *	Common thorn apple	<i>Xanthium strumarium</i> *	Cocklebur
<i>Emex australis</i> **	Spiny Emex		

\* Plants of these species can originate from rhizomes or seed germinating deep in the soil and may emerge some time after the majority of other weeds have emerged. In such cases, they may not be adequately controlled.

\*\* Only plants emerged from germinated seed, will be adequately controlled.

### CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of this product in a manner inconsistent with its labeling, all of which are beyond the control of BASF South Africa (Pty) Ltd. ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks, referred to above.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of the Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

**Stellar® Star, Basagran®, Frontier® Optima and Fastac® SC** are registered trademarks of BASF.



## WAARSKUWINGS

**Gevaarstellings**

- Veroorzaak geringe velirritasie.
- Mag die ongeboore kind beskadig.
- Baie giftig vir waterlewende organismes met langdurige gevolge

**LAAT DIE VOLGENDE MINIMUM AANTAL DAE TOE, TUSSEN DIE LAASTE TOEDIENING EN OES OF BEWEIDING:**

Mielies (tenkmengsel toediening – <b>Vroeë na-opkoms van GEWAS</b> ). Verwys na <b>GEBRUIKSAANWYSINGS</b>	28
Mielies (tenkmengsel toediening – <b>Vroeë na-opkoms van ONKRUID</b> ). Verwys na <b>GEBRUIKSAANWYSINGS</b>	14
Mielies (1.0 l/ha toediening) – Verwys na <b>GEBRUIKSAANWYSINGS</b>	56

- Hanteer versigtig.
- Skadelik indien ingesluk.
- Bêre agter slot en grendel buite bereik van kinders, ongeligte persone en diere.
- Bêre weg van kos en voer in 'n koel plek.
- HERBETREDING: Moenie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word nie

**Alhoewel hierdie middel onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effek daarvan, deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie, en die voorkoms van weerstand by onkruid teen die betrokke middel beïnvloed kan word, die metode, tyd en akkuraatheid van toediening kan ook die werking en doeltreffendheid van die middel beïnvloed. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing nie, of vir nadelige effek op mens of dier nie, of vir onvoldoende prestasie van die betrokke middel weens die versuim van die gebruiker om etiketaanwysings na te kom nie, of weens toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in geval van enige onsekerheid.**

## VOORSORGMAATREËLS

### Voorsorgstellings

- Indien mediese advies benodig word, hou die produkhouer of -etiket byderhand.
  - Hou buite bereik van kinders.
  - Lees sorgvuldig en volg alle instruksies.
  - Verkry spesiale instruksie voor gebruik
  - Moenie hanteer voordat alle voorsorgmaatreëls gelees en verstaan is nie
  - Dra beskermende handskoene/beskermende klere/oogbeskerming.
  - INDIEN blootgestel of besorg: skakel 'n GIFBEHEERSENTRUM of geneesheer.
  - Maak stortsel bymekaar
  - Indien velirritasie ontstaan: Kry mediese hulp.
  - Berg agter slot en grendel.
  - Raak ontslae van inhoud en houer deur na 'n gevaarlike- of spesiale-afval insamelsplek te besorg
- 
- Moenie spuitnewel inasem nie.
  - Was besmette klere daaglik.
  - Was met seep en water indien dit per ongeluk op die vel beland.
  - Vermoed besoedeling van voedsel, voer, eetgerei en drinkwater.
  - Moenie eet, rook of drink terwyl gemeng of gespuit word nie en alvorens die hande en gesig nie eers gewas is nie.
  - Vermoed oorwaai van spuitstof na ander gewasse, damme, riviere en weiveld wat nie tans behandel word nie.
  - SPOEL LEË HOUER DRIE KEER AS VOLG: Keer die leë houer oor die spuit of mengtenk om en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrupte verminder het. Spoel daarna die leë houer drie keer na mekaar met een kwart van die houervolume vars water en giet die spoelwater in die spuitenk of mengtenk oor Kap gate in die drie keer gespoelde houer waarna dit aan 'n goedgekeurde versamelaar of verwerker oorhandig moet word (www.croplife.co.za) Moet nie die houer begrawe, verbrand of aan enige ander partye skenk wat dit as houer vir voedsel of drinkgoed mag gebruik nie

### RELEVANTE STOWWE

Gevaarlike bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
sodium 3,6-dichloro-o-anisate	1982-69-0	15,83 %
topramezone (ISO); Methanone, [3-(4,5-dihydro-3-isoxazolyl)-2-methyl-4-(methylsulfonyl)phenyl](5-hydroxy-1-methyl-1H-pyrazol-4-yl)-	210631-68-8	4,5 %
Alcohols, C12-15-branched and linear, ethoxylated propoxylated	120313-48-6	< 30 %

## NOODHULPBEHANDELING

Noodhulppersoneel moet eerste aandag gee aan hul eie veiligheid. As die pasiënt moontlik bewusteloos kan raak, plaas en ondersteun in 'n stabiele sywaartse posisie (herstel posisie). Verwyder besmette klere dadelik..

<b>INDIEN IN DIE OË:</b>	Wash aangetaste oë vir ten minste 15 minute onder lopende water terwyl ooglede oopgehou word, raadpleeg 'n oogspesialis.
<b>INDIEN INGESLUK:</b>	Spoel mond dadelik uit en drink 200-300 ml water, verkry mediese hulp
<b>INDIEN OP DIE VEL:</b>	Was dadelik deeglik met seep en water, verkry mediese hulp.
<b>INDIEN INGEASEM:</b>	Hou pasiënt kalm, verwyder na vars lug, verkry mediese hulp.

### Aanduiding van enige onmiddellike mediese aandag en spesiale behandeling wat nodig is

Behandeling: Behandel volgens simptome (dekontaminasie, lewensbelangrike funksies), geen bekende spesifieke teenmiddel nie

## WAARSKUWING TEEN WEERSTAND

Stellar® Star is 'n HRAC Onkruidodergroepkodes 27 en 4 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit, wat 'n natuurlike weerstand teen Stellar® Star, of enige ander Groepkode 27 en 4 onkruidodders het. Indien hierdie onkruidodders in herhaaldelike en eksklusiewe programme aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie, oorheers. Hierdie weerstandbiedende onkruide, sal waarskynlik nie deur Stellar® Star of enige ander Groepkode 27 en 4 onkruidodders, beheer word nie.

Om weerstand teen onkruidodders te vertraag:

- Vermo die eksklusiewe herhaaldelike gebruik van onkruidodders, in dieselfde Onkruidodergroepkode. Wissel af met, of gebruik tenkmengels van produkte, in verskillende Onkruidodergroepkodes.
- Sien toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengels gebruik word, met produkte in ander Onkruidodergroepkodes.
- Integreer ander beheermaatreëls (chemies en verbouing), in onkruidodderprogramme.

VIR SPESIFIEKE INLIGTING OOR WEERSTANDBIEDENDHEIDSBESTUUR, KONTAK DIE REGISTRASIEHOUER, BASF SA (Edms) Bpk.

## WAGPERIODES VIR OPVOLGGEWASSE

- Om moontlike skade aan opvolggewasse te voorkom, moet wagperiodes soos hieronder aangedui in ag geneem word na die laaste toediening en plant van die opvolggewas.
- Die wagperiodes soos hieronder genoem, geld slegs indien die standaard aanbevole dosis Stellar® Star toegedien was.
- Verwys na die onderskeie atrasien / terbutielasien etikette vir gebruiksbepelings.
- 'n Toetsaanplanting word egter aanbeveel.

GEWAS	WAGPERIODE IN MAANDE
<b>Koring en gars</b>	1
Graansorghum	2
Aartappels	6
Sojabone, droëbone, grondbone, sonneblomme en katoen	6
Alle ander gewasse	10

### GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS VOORGESKRYF

#### Verenigbaarheid:

**Stellar® Star** is verenigbaar met atrasiene 500 g/l en atrasiene / terbutielasien (300/300 g/l) bevattende formulasies, **Basagran®** (L2916), halosulfuron en **Fastac® SC** (L4992) en **Frontier® Optima** (L9391). Moenie produkte wat sianasien bevat met **Stellar® Star** toedien nie. **Stellar® Star** kan opeenvolgend, of in kombinasie, met insektmiddels wat as grond- of blaartoedienings gespuit word, toegedien word. **Stellar® Star** is ook verenigbaar met **Priaxor®** (L11011) en geregistreerde atrasiene 500 g/l SC formulasies. Dit moet slegs in kombinasie toegedien word indien die onkruidgrootte en die swamdoder toedienings ooreenstem.

**BELANGRIK: Stellar® Star** is reeds geformuleer met 'n bevorderingsmiddel. Die byvoeging van addisionele bevorderingsmiddels, word nie aanbeveel nie, aangesien dit die risiko van gewasskade mag verhoog.

#### Menginstruksies:

Maak die spuitenk driekwart vol met skoon water. Skud die **Stellar® Star** houër goed. Meet die benodigde hoeveelheid **Stellar® Star** af en meng dit vooraf met minstens 10 l water. Voeg 'n vloeibare (50 %) hoë kwaliteit ammoniumsulfaat by om swak kwaliteit water te versag indien nodig. Voeg hierdie mengsel by die water in die spuitenk terwyl die mengsel geroer word. Meet op soortgelyke manier ander produkte individueel, soos atrasiene, atrasiene kombinasies, soos hierbo genoem, **Basagran®**, halosulfuron, **Fastac® SC** en voeg die verdunde mengsels in die spuitenk. Vul die spuitenk met water terwyl daar nog steeds geroer word, ten einde deeglike vermenging van die spuitmengsel te verseker alvorens daar begin word met bespuiting. Handhaaf roering gedurende die hele spuitproses. Aangemaakte spuitmengsel moenie in die spuitenk gelaat word vir enige bepaalde tydperk, bv. oornag nie.

**Vóór Stellar® Star** gespuit word, word dit aanbeveel dat **Frontier® Optima** (L7011) as 'n na-plant-, voor-opkomsbespuiting toegedien word (verwys na die **Frontier® Optima** etiket). **Stellar® Star** behoort in 'n programbespuiting met **Frontier® Optima** toegedien te word vir optimale resultate.

### GEBRUIKSBEPERKINGS

#### Moenie Stellar® Star onder die volgende situasies toedien nie:

- Op saamgepakte grondlae waar versuip-toestande op lande voorkom, of arm grond.
- Op ingeteelde oerplante of meliehibriede, of nuut vrygestelde kultivars sonder dat advies van die verspreider of vervaardiger ingewin is.
- Moenie toedien nadat die mielies 800 mm hoog is nie.

## Grondtoediening:

**Stellar® Star** kan as 'n breedwerpig toediening aangewend word met 200 – 300 l water/hektaar, of 'n bandplasing, waar dit met die ooreenkomstige hoeveelheid volume water per hektaar toegedien word.

- Enige medium- of hoë volume trekgergemonteerde spuitapparaat kan gebruik word, mits dit toegerus is met 'n effektiewe roermeganisme. Verseker dat die spuitpomp korrek gekalibreer is en dat die regte spuitkoppe (holkeël) aan die spuitarm gekoppel is, sodat die onkruid eweredig deur die onkruiddoder bedek word.
- **Stellar® Star** moet tydens gunstige groeitoestande toegedien word om optimum gewastoleransie en onkruidbeheer te verkry. Dien **Stellar® Star** as 'n na-opkomsbehandeling op mielies toe wanneer die onkruid aktief groei.
- Vermy grondversteurings (bv. skoffel) vir ten minste sewe dae, nadat **Stellar® Star** toegedien is om optimale onkruiddoderopname te verseker, sowel as translokasie in die plant vir verbeterde onkruidbeheer.
- Benat onkruid deeglik met onkruiddoder. Digte onkruidafskerming, kan die kleiner eerste onkruid bedek en kan verhoed dat hulle voldoende benat word. Wanneer die gewas dig ontwikkel en afskerming bied, moet valarms met wye hoek spuitpunte gebruik word om te verseker dat die teikengebied, deeglik bedek word.

Alle toedienings moet gemaak word met geskikte toerusting, wat in goeie werkende toestand en korrek gekalibreer is, ten einde die verlangde bedekking te gee, vir die betrokke toedieningsmetode.

GEWAS	ONKRUID	DOSIS	GEBRUIKSAANBEVELINGS
MIELIES	Eenjarige grasse en breeblaaronkruid (soos gelys in <b>TABELLE 1 &amp; 2</b> hieronder)	Verwys na die <b>Frontier®Optima</b> etiket, vir dosisaanbevelings in verband met grond klei %	<b>Frontier®Optima behoort toegedien te word, voordat Stellar®Star gespuit word</b> (verwys na die <b>Frontier®Optima</b> etiket).
		<b>Vroeë na-opkoms van GEWAS</b> 700 ml/ha + 750 ml/ha <b>Frontier®Optima</b> + 1,5 l/ha atrasion 500 g/l SC	Dien toe tydens die 3-4 blaarstadium van die mielies in plaas van 'n voor-opkoms onkruiddoder toediening, veral wanneer mielies vroeg geplant is en koel weer verwag word.  'n Opvolg toediening tydens die 3 – 4 blaarstadium van onkruid mag nodig wees.  Verwys na <b>Frontier®Optima</b> etiket vir besonderhede
		<b>Vroeë na-opkoms van ONKRUIDE</b>  1 l / ha <b>OF</b> 700 ml/ha + 1,5 l/ha atrasion 500 g/l SC <b>or</b> 1,25 l/ha atrazine / terbutielasion (300 / 300 g/l SC)	Dien <b>Stellar®Star</b> , as an <b>vroeë na-opkomstoediening</b> toe, tydens die 3 – 4 blaarstadium van die onkruid. <b>Moenie toedien, nadat die mielies 800 mm hoog is nie.</b>  Gebruik <b>Basagran®</b> of halosulfuron in 'n tenkingsel met <b>Stellar®Star</b> , waar 'n matige populasie van geeluintjies ( <i>Cyperus esculentus</i> ) voorkom. Met swaar besmettings van geeluintjies dien EPTC toe as 'n <b>voor-plant</b> ingewerkte toediening (verwys na die relevante etikette vir besonderhede van <b>GEBRUIKSAAN-WYSINGS</b> om bykomende onkruid te beheer).

## BEHEER VAN ONKRUIDE

Die volgende spesies word normaalweg beheer deur 'n voor-opkomstoediening van **Frontier® Optima**, opgevolg deur 'n na-opkomstoediening van **Stellar® Star**, plus die aanbevole atrazine / atrazine + terbuthylazine kombinasies in 'n tenkmengsel (verwys na **TOEDIENINGSVOORSKRIFTE** in die tabel hierbo).

**TABEL 1**

GRASSE			
<i>Brachiaria eruciformis</i>	Litjiesinjalgras	<i>Eragrostis curvula</i>	Oulandsgras
<i>Chloris gayana</i>	Rhodes chloris	<i>Eragrostis tef</i>	Tefgras
<i>Chloris virgata</i>	Witpluim chloris	<i>Lolium multiflorum</i>	Italiaanse raagrass
<i>Dactyloctenium aegyptium</i>	Hoenderspoor	<i>Panicum maximum</i>	Gewone buffelsgras
<i>Digitaria eriantha</i>	Gewone vingergras	<i>Panicum schinzii</i>	Soetbuffelsgras
<i>Digitaria sanguinalis*</i>	Kruisvingergras	<i>Tragus berteronianus</i>	Kleinwortelsaadgras
<i>Echinochloa colona</i>	Moerasgras	<i>Urochloa mosambicensis*</i>	Bosveldbeesgras
<i>Echinochloa crusgalli</i>	Hanepootmanna	<i>Urochloa panicoides*</i>	Beesgras
<i>Eleusine coracana</i>	Jongosgras		

\* Hierdie grasse word as laat ontkiemers geklassifiseer en wisselvallige beheer mag voorkom, wanneer die ontkiemingsperiode verleng, onder sub-optimale klimaatstoestande.

**TABEL 2**

BREËBLAARONKRUIDE			
<i>Acanthospermum hispidum</i>	Regop sterklits	<i>Euphorbia helioscopia</i>	Sambreel melkkruid
<i>Amaranthus deflexus</i>	Meerjarige misbredie	<i>Fallopia convolvulus</i>	Wilde bokwiet
<i>Amaranthus hybridus</i>	Gewone misbredie	<i>Flaveria bidentis</i>	Smelterbossie
<i>Amaranthus spinosus</i>	Doringmisbredie	<i>Gisekia pharmacoides</i>	Gisekia
<i>Amaranthus thunbergii</i>	Rooimisbredie	<i>Helianthus annua</i>	Opslag sonneblom
<i>Bidens pilosa</i>	Knapsekerel	<i>Hibiscus trionum</i>	Terblansbossie
<i>Chenopodium album</i>	Withondebos	<i>Ipomoea purpurea*</i>	Purperwinde
<i>Chenopodium carinatum</i>	Groenhondebos	<i>Nicandra physaloides</i>	Basterappelliefie
<i>Citrullus lanatus</i>	Karkoer	<i>Physalis angulata</i>	Wildeappelliefie
<i>Cleome gynandra</i>	Snotterbelletjie	<i>Portulaca oleracea</i>	Porslein
<i>Cleome monophylla</i>	Rusperbossie	<i>Richardia brasiliensis</i>	Tropiese Richardia
<i>Commelina benghalensis*</i>	Wandelende jood	<i>Schkuhria pinnata</i>	Kleinkakiebos

<b>BREËBLAARONKRUIDE</b>			
<i>Crotalaria sphaerocarpa</i>	Mielie Crotalaria	<i>Tagetes minuta</i>	Kakiebos
<i>Datura ferox*</i>	Groot stinkblaar / olieboom	<i>Tribulus terrestris</i>	Gewone dubbeltjie
<i>Datura stramonium*</i>	Gewone stinkblaar / olieboom	<i>Xanthium strumarium*</i>	Kankerroos
<i>Emex australis**</i>	Kaapse dubbeltjie		

\* Hierdie plantspesies kan van risome of saad opkom wat diep in die grond is en mag ná die oorgrootheid meerderheid van die onkruid eers opkom en gevolglik nie voldoende beheer word nie.

\*\* Voldoende beheer kan verkry word slegs indien ontkiem vanaf saad.

## **VERKOOPSVORWAARDES EN WAARBORG**

Die **GEBRUIKSAANWYSINGS** van hierdie produk weerspieël die opinie van kundiges, gebaseer op gebruik in die veld en in proewe. Die aanwysings word as betroubaar geag en moet noukeurig nagekom word. Dit is egter onmoontlik om alle risiko's wat inherent die gebruik van hierdie produk geassosieer word, uit te skakel. Gewasskade, oneffektiwiteit of ander onopsetlike gevolge mag voorkom as gevolg van faktore soos weerstoestande, teenwoordigheid van ander materiale, of wanneer die produk op 'n wyse wat teenstrydig met die etiket is, gebruik word; dit alles is buite die beheer van BASF Suid-Afrika (Edms) Bpk ("BASF") of die Verkoper. In die mate waarin dit in ooreenstemming met toepaslike wetgewing is, sal alle risiko's deur die Koper aanvaar word.

BASF waarborg dat hierdie produk aan die vereistes van die chemiese beskrywing op die etiket voldoen, en is redelikerwys geskik vir die gebruiksdoeleindes soos uiteengesit in die **GEBRUIKSAANWYSINGS**, onderhewig aan die inherente risiko's, soos hierbo na verwys.

**IN DIE MATE WAT DIT MET TOEPASLIKE WETGEWING OOREENSTEM, GEE BASF GEEN ANDER UITDRUKKING OF GEIMPLISEERDE WAARBORG VAN GESKIKTHEID OF VERKOOPSVERNUF OF ENIGE ANDER UITDRUKKING OF GEIMPLISEERDE WAARBORG NIE.**

**IN DIE MATE WAT DIT MET TOEPASLIKE WETGEWING OOREENSTEM, SAL DIE KOPER SE UITSLUITLIKE REGSMIDDEL EN BASF SE UITSLUITLIKE AANSPREEKLIKHEID, HETSY IN KONTRAK, ONREGMATIGHEID, NALATIGHEID, STRENG AANSPREEKLIKHEID, OF ANDERSINDS, BEPERK WORD TOT TERUGBETALING VAN DIE AANKOOPPRYS VAN DIE PRODUK.**

**IN DIE MATE WAT DIT MET TOEPASLIKE WETGEWING OOREENSTEM, DOEN BASF EN DIE VERKOPER, AFSTAND VAN ENIGE AANSPREEKLIKHEID TEN OPSIGTE VAN VOORTSPRUITENDE SKADE, SKADEVERGOEDING, SPESIALE OF INDIRECTE SKADE, UIT DIE GEBRUIK OF HANTERING VAN HIERDIE PRODUK.**

BASF en die Verkoper bied hierdie produk aan, en die Aankoper en Gebruiker aanvaar dit, onderhewig aan die voorafgaande **Verkoopsvoorwaardes en Waarborg**, wat slegs gewysig mag word deur 'n skriftelike ooreenkoms, wat na behore deur 'n gemagtigde verteenwoordiger van BASF onderteken is.

**Stellar® Star, Basagran®, Frontier®Optima en Fastac®SC** is Geregistreerde Handelsmerke van BASF.

# Stellar® Star

Reg. No. L9391; N-AR 2158

Act No. 36 of 1947

**READ ATTACHED PACKAGE OR LEAFLET BEFORE USE  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

GROUP	27	4	HERBICIDES
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**A soluble liquid herbicide, for control of early post-emergent grasses and broadleaf weeds (as specified), in maize.**

**'n Wateroplosbare-onkruidodder, vir die beheer van vroeë na-opkoms grasse en breëblaaronkruid (soos aangetoon), in mielies.**

Causes mild skin irritation. May damage the unborn child.

Very toxic to aquatic life with long lasting effects.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/clothing/eye protection.

**Active ingredients / Aktiewe bestanddele:**

Topramezone (pyrazolone).....50 g/l

Dicamba (benzoic acid compound).....160 g/l

**Registered by:**

BASF South Africa (Pty) Ltd  
Co. Reg. No. 66/10235/07  
852 Sixteenth Road  
P.O. Box 2801  
Halfway House 1685  
+27 11 203 2400

**Geregistreer deur:**

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+27 11 203 2400



® = Registered trademark of BASF / Geregistreerde handelsmerk van BASF

81170404 ZA 2083



**Batch No. & Date manufactured:** Refer to details printed on container  
**Lotnommer & Datum vervaardig:** Verwys na besonderhede gedruk op houer

**EMERGENCY NUMBER / NOODNOMMER: +27 82 446 8946**

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