

WARNINGS:

- Handle with care.
- Harmful if swallowed.
- Harmful to fish.
- Store in cool place away from food and animal feed.
- Keep out of reach of children, uninformed persons and animals.
- Keep unused **FARMAZINE SUPER 600 SC** in this container, tightly closed.
- **Re-entry interval:** do not enter treated field within 1 day after application unless wearing protective clothing.
- **In case of poisoning call a doctor and show him/her this label.**
- **Aerial application:** notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow the drift to contaminate water or adjacent areas.

Although this remedy has been extensively 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 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 failure of the user to follow the label instructions or 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 fumes or spray mist.
- Wash contaminated clothing after use.
- Wear rubber gloves and face shield when handling the concentrate.
- Wash with soap and water after use or accidental skin contact.
- Do not eat, drink or smoke whilst mixing, applying or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use or before using with other remedies.
- Dispose of wash water where it will not contaminate other crops, grazing, rivers and dams.
- Do not mix and load within at least 15 m from boreholes, streams, rivers and dams.
- Do not apply within at least 15 m from boreholes, streams and rivers.
- Do not apply within at least 60 m from dams.
- Ensure that no back-siphoning to boreholes or dams takes place when product is applied through the irrigation system.
- 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 empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the spray tank before disposing of the container.
- Destroy empty container by perforating and flattening and never use for any other purpose.
- Prevent contamination of food, feed stuffs, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING: No signs and symptoms are known or expected in humans.

FIRST AID TREATMENT:

Inhalation: Remove patient from exposure to fresh air, keep warm and at rest. Obtain medical attention.

Skin contact: Wash contaminated skin with cold water followed by soap and water.

Eye contact: Irrigate with eye wash solution or clean water for at least 15 minutes. Get medical attention.

Ingestion: Do not induce vomiting. Give 30 g activated charcoal in 100 ml water. Put the patient in a half up-right position and give plenty of water. Never give anything by mouth to an unconscious person. Get medical help.

NOTE TO PHYSICIAN: No antidote known. Symptomatic and supportive therapy as indicated.

RESISTANCE WARNING: For resistance management, **FARMAZINE SUPER 600 SC** is a group code **5** herbicide. Any weed population may contain individuals naturally resistant to **FARMAZINE SUPER 600 SC** and other group code **5** herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **FARMAZINE SUPER 600 SC** or any other group code **5** herbicide.

To delay weed resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank-mix with products from different herbicide group codes.



FARMAZINE SUPER 600 SC

Reg No/Nr: L 7537: Act/Wet 36 of/van 1947

A suspension concentrated herbicide for the selective control of annual broadleaf weeds and goose grass as indicated in maize and grain sorghum.

'n Suspensie konsentraat onkruidodder vir die selektiewe beheer van breëblaaronkruid asook jongsgras soos aangedui in mielies en graansorghum.

HRAC: HERBICIDE GROUP CODE	5	HRAC: ONKRUIDDODER GROEPKODE
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ACTIVE INGREDIENTS/AKTIWE BESTANDELE:

Atrazine (triazine).....	290 g/l	Atrasiens (triasien)
Related active triazines.....	10 g/l	Verwante triasiens
Terbutylazine (triazine).....	290 g/l	Terbutielasiens (triasien)
Related active triazines.....	10 g/l	Verwante triasiens

Manufacture Date:
Vervaardigingsdatum

Batch No.:
Lotnommer

NET CONTENTS/NETTO INHOUD

**SEE ENCLOSED LEAFLET FOR FULL PARTICULARS
SIEN INGESLOTE VOUBILJET VIR VOLLE BESONDERHEDE**

REGISTERED BY/GEREGISTREER DEUR:
Castle Ag-Chem (PTY) LTD/(EDMS.) BPK
Reg. No/Nr: 2007/033120/07

61 Marshall Drive, Old Mill Industrial Park, Mount Edgecombe, South Africa, 4000 • Tel. (031) 003 3486

UN No.: 3082



HARMFUL
SKADELIK



- Integrate the control methods (chemical, cultural, biological) into weed control programmes. For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS: To prevent damage to follow-up crops the following waiting periods should be taken into consideration:

- maize and sugarcane..... none
 - grain sorghum 12 months
 - sunflower, groundnuts, soybeans, potatoes, dry beans, forage sorghum, small grain..... 18 months
 - all other crops (a test planting is recommended)..... 24 months
- e) where the rate of **FARMAZINE SUPER 600 SC** applied does not exceed 1,7 ℓ/ha, the waiting periods mentioned under b) and c) above can be reduced to 9 months except on sandy soils of North-West Province and North-West Free State which contains 1–10 % clay.

N.B.:

- 1) The above-mentioned waiting periods are valid only if the correct dosage rate of **FARMAZINE SUPER 600 SC** according to soil type was applied and normal or above average rainfall occurred after a **FARMAZINE SUPER 600 SC** application.
- 2) When **FARMAZINE SUPER 600 SC** is applied to soils which expand on wetting and crack or crumble on drying out, such as turf soils, the **FARMAZINE SUPER 600 SC** may remain active in the soil for much longer than the above-mentioned waiting periods. Thus, **FARMAZINE SUPER 600 SC** should not be used or recommended on such soils if sensitive crops might be planted in the foreseeable future. On such soils **FARMAZINE SUPER 600 SC** may also give poor control of the weeds when applied pre- emergence.
- 3) Do not apply **FARMAZINE SUPER 600 SC** to inbred parent plants of maize and grain sorghum hybrids or experimental or newly released maize and grain sorghum cultivars without first referring to the manufacturer or seed supplier.

DIRECTIONS FOR USE: Use only as indicated.

Compatibility: **FARMAZINE SUPER 600 SC** is compatible with PARAQUAT 200, 2,4-D AMINE (480 g/ℓ), METOLACHLOR 915 (with safener) and ALACHLOR EC as recommended on this label as well as with other soil insecticides. The compatibility of **FARMAZINE SUPER 600 SC** with other products can be influenced by the formulation of the product involved as well as the quality of the mixing water which could differ from farm to farm. For this reason a physical compatibility test should be carried out prior to application.

Mixing instructions: Shake well before use and replace cap after pouring. Half-fill the spray tank with water, then pour the required quantity of **FARMAZINE SUPER 600 SC** through a 500 micron mesh sieve into the tank whilst stirring. Top up the tank with water to the final volume required. When **FARMAZINE SUPER 600 SC** is used in a tank-mix with ALACHLOR EC, 2,4-D AMINE (480 g/ℓ), METOLACHLOR 915 (with safener) or PARAQUAT 200 the **FARMAZINE SUPER 600 SC** should be mixed first using a tank half-filled with water and agitated well after which the spray tank should be filled almost to capacity. Only then should the METOLACHLOR 915 (WITH SAFENER) or ALACHLOR EC be added whilst the spray tank is filled to its final volume. Where 2,4-D AMINE (480 g/ℓ) or PARAQUAT 200 is mixed with **FARMAZINE SUPER 600 SC**, they should be added last. Ensure thorough agitation during filling and spraying operations. After each day's spraying thoroughly flush spray equipment out with clear water. Never mix product concentrates together.

Application methods: **FARMAZINE SUPER 600 SC** must be applied before or shortly after weeds emerge. Prepare a fine, even and firm seedbed. If dry conditions prevail for a period of 7–14 days after application, weeds may emerge and develop. In such cases it is recommended that a light cultivation be carried out with a rotary cultivator to destroy these weeds and to mix the herbicide into the top 10–20 mm of soil.

Ground application: **FARMAZINE SUPER 600 SC** can be applied with any medium or high volume sprayer equipped with an efficient agitator and capable of adequate coverage and even distribution. The best results are obtained using fan type spray nozzles and applying a minimum spray volume of 200 ℓ water/ha.

Aerial application: Aerial application of **FARMAZINE SUPER 600 SC** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118: 2009 (Aerial Application of 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 30–40 ℓ/ha 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:** 25–35 droplets/cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 350–400 micron is recommended. 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 m 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:
 - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - b) 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.

Pre-emergence application:

- A minimum spray volume of 30 ℓ/ha.
- A minimum of 20–30 droplets/cm² must be recovered on the target area.
- Employ a droplet spectrum with a VMD of 450 micron.

Post-emergence application:

- A minimum spray volume of 35 ℓ/ha.
- A minimum of 30–45 droplets/cm² must be recovered on the target area.
- Employ a droplet spectrum with a VMD of 350 micron.

MAIZE:

1. Pre- and early post-emergence of crop and weeds:

CLAY (%)	DOSAGE (ℓ/ha)	REMARKS
0–10	2,10	FARMAZINE SUPER 600 SC can only be applied post-emergence where the broadleaf weeds have not developed beyond the 4-leaf stage, and where grasses have not yet emerged. Where grasses have appeared and broadleaf weeds have developed further than the 4-leaf stage, such weeds must be destroyed first by cultivation and FARMAZINE SUPER 600 SC applied onto clean soil. Where FARMAZINE SUPER 600 SC is sprayed post-emergence to the weeds, a suitable wetting agent should be added to the spray mixture.
11–20	2,7	
21–30	3,30	
31–40	4,0	

2. During planting or as soon as possible (within 2 days) after planting:

CLAY (%)	FARMAZINE SUPER 600 SC + ALACHLOR EC (ℓ/ha)	FARMAZINE SUPER 600 SC + METOLACHLOR 915 (with safener) (ℓ/ha)	REMARKS
0–10	1,45–2,1 +4,0	1,45–2,1 + 0,75	In order to get control of most annual grasses, mentioned on the METOLACHLOR 915 (with safener) and ALACHLOR EC label, METOLACHLOR 915 (with safener) or ALACHLOR EC may be added to FARMAZINE SUPER 600 SC . If a shorter residual action is required on account of follow-up crops, use only 1,5 ℓ/ha FARMAZINE SUPER 600 SC on soils up to 35 % clay, and 2,0 ℓ/ha FARMAZINE SUPER 600 SC on soils above 35 % clay together with the appropriate rate of METOLACHLOR 915 (with safener) or ALACHLOR EC. For the sandy soils of Northwest Province and North-Western Free State, the rates below can be used where specifically only <i>Eleusine coracana</i> (goose grass) and <i>Chloris virgata</i> (Feathertop Chloris) and broadleaf weeds must be controlled.
11–16	2,1 + 4,0	2,1 + 1,1	
17–20	2,3 + 4,5	2,3 + 1,1	
21–35	2,3–2,7 + 5,0	2,3–2,7 + 1,4	
> 35	3,3 + 5,0	3,3 + 2,0	
0–10	2,1 + 2,0	2,1 + 0,55	
11–20	2,7 + 2,0	2,7 + 0,75	

3. Post-emergence, only where a grass herbicide has been applied:

CLAY (%)	FARMAZINE SUPER 600 SC + 2,4-D AMINE (480 g/ℓ) (ℓ/ha)	REMARKS
All soil types	1,7 + 0,5 OR 1,25 + 0,75	2,4-D AMINE may sometimes hamper the development of prop-roots. Therefore, the lower rate of 2,4-D AMINE is preferred. Where, however, <i>Commelina benghalensis</i> (Benghal wandering Jew) or <i>Tribulus terrestris</i> (dubbeltjie) is important in the weed spectrum, a treatment with the higher rate of 2,4-D AMINE is advisable. The weeds have to be sprayed before they are past the 4-leaf stage or 10 cm length. If sprayed later they might compete with the crop and lower the yield. If the weeds are too large, poor control may be obtained. Where the crop is higher than 40 cm, a directed spray is recommended in order to obtain better wetting.

GRAIN SORGHUM (post-emergence only):

CLAY (%)	FARMAZINE SUPER 600 SC + 2,4-D AMINE (480 g/ℓ) (ℓ/ha)	REMARKS
All soil types	1,7 + 0,5	The safest time of application is 4–5 weeks after planting, when the crop has 4–5 leaves and is about 15 cm high. The weeds must not be past the 4 leaf stage or 10 cm in length. Under warm, moist conditions, 2,4-D AMINE may damage the grain sorghum temporarily. The crop normally outgrows this setback quickly and yield is not affected.

GRAIN SORGHUM (post-emergence only):

CLAY (%)	FARMAZINE SUPER 600 SC	REMARKS
0-20 21-30 31-40	NOT RECOMMENDED. 3,3 4,0	FARMAZINE SUPER 600 SC can be sprayed post-emergence and only if the broadleaf weeds have not yet developed past the 4-leaf stage and as long as grasses have not yet emerged and if the grain sorghum has formed at least 5-leaves. Where grasses have emerged and broadleaf weeds have passed the 4-leaf stage, these weeds first have to be destroyed by means of a cultivation and the FARMAZINE SUPER 600 SC is then sprayed on a weed-free soil surface. Under cold and/or wet conditions FARMAZINE SUPER 600 SC may damage grain sorghum.

Maize and grain sorghum: Ensure that sufficient fertilizer has been band-placed near the seed to enhance the growth of the seedlings.

Stale seedbed/ minimum tillage/stubble mulch: Where minimum tillage or stubble mulch is practiced, weeds may have emerged at the time of planting. If crops are planted under such conditions or into a stale seedbed, where grass weeds have already emerged and/or broadleaf weeds have developed beyond the seedling stage, it is recommended that PARAQUAT 200 be added to **FARMAZINE SUPER 600 SC** or **FARMAZINE SUPER 600 SC** + ALACHLOR EC according to the recommendations of the manufacturer. The PARAQUAT 200 will destroy the emerged weeds and create a pre-emergence situation for the **FARMAZINE SUPER 600 SC** or **FARMAZINE SUPER 600 SC** + ALACHLOR EC to act. When PARAQUAT 200 is added, spraying should be carried out prior to the emergence of the crop as PARAQUAT 200 will damage the crop if it is applied post-emergence. In the case of minimum tillage or stubble mulch, the density of the stubble and humus may affect the efficacy of **FARMAZINE SUPER 600 SC** or **FARMAZINE SUPER 600 SC** + ALACHLOR EC. Therefore consult a representative of the manufacturer or distributor.

WEEDS CONTROLLED:

Broadleaf weeds:			
Botanical name	Common name	Botanical name	Common name
<i>Acanthospermum australe</i>	Eight-seeded prostrate starbur	<i>Crotalaria spaerocarpa</i>	Mealie Crotalaria
<i>Acanthospermum glabratum</i>	Five seeded prostrate starbur	<i>Datura ferox</i>	Large thorn apple
<i>Acanthospermum hispidum</i>	Upright starbur	<i>Datura stramonium</i>	Thorn apple
<i>Amaranthus deflexus</i>	Perennial pigweed	<i>Galinsoga parviflora</i>	Gallant soldier
<i>Amaranthus hybridus</i>	Cape pigweed	<i>Gisekia pharmaceoides</i>	Gisekia

Broadleaf weeds:			
Botanical name	Common name	Botanical name	Common name
<i>Amaranthus thunbergii</i>	Red pigweed	<i>Hibiscus cannabinus</i>	Kemaf
<i>Amaranthus spinosus</i>	Thorny pigweed	<i>Hibiscus trionum</i>	Bladderweed
<i>Bidens bipinnata</i>	Spanish black jack	<i>Nicandra physaloides</i>	Apple-of-Peru
<i>Bidens pilosa</i>	Black jack	<i>Physalis angulata</i>	Wild gooseberry
<i>Chenopodium album</i>	White goosefoot	<i>Portulaca oleracea</i>	Purslane
<i>Chenopodium carinatum</i>	Green goosefoot	<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Cleome monophylla</i>	Spindlepod	<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Cleome rubella</i>	Pretty lady	<i>Tagetes minuta</i>	Khaki weed
<i>Cosmos bipinnatus</i>	Cosmos	<i>Vigna vexillata</i>	Wild-cowpea
<i>Commelina benghalensis</i>	Benghal wandering Jew		
Grass weeds:			
<i>Eleusine coracana</i>	goose grass		
If dry weather conditions last for a period of 7–14 days after a pre-emergence application, the following weeds may not be controlled satisfactorily, especially on heavier soils:			
<i>Cosmos bipinnatus</i>	Cosmos	<i>Datura spp</i>	Thorn apple
<i>Commelina benghalensis</i>	Benghal wandering Jew	<i>Eleusine coracana</i>	goose grass
The tank mixture with 2,4-D AMINE controls all the broadleaf weeds listed above as well as:			
<i>Xanthium strumarium</i>	Cocklebur	<i>Ipomoea purpurea</i>	Common morning glory
<i>Cucumis myriocarpus</i>	Striped wild cucumber	<i>Ipomoea coscinosperma</i>	Morning glory
<i>Tribulus terrestris</i>	Dubbeltjie		

WAARSKUWINGS:

- Hanteer versigtig.
- Skadelik indien ingesluk.
- Skadelik vir visse.
- Berg in 'n koel plek weg van voedsel en voer.
- Hou buite bereik van kinders, ongeligte persone en diere.
- Berg ongebruikte **FARMAZINE SUPER 600 SC** dig toegemaak in hierdie houër.
- **Herbetredingsinterval:** moet nie behandelde gebied binne 1 dag na behandeling binnegaan nie tensy beskermende klere gedra word.
- **In geval van vergiftiging ontbied 'n geneesheer en toon hierdie etiket aan hom/haar.**
- **Lugtoediening:** stel alle inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie spuit oor of toelaat dat sproeinewel water of aangrensende gebiede besoedel nie.

Alhoewel hierdie middel omvattend 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 beïnvloed kan word 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 van die onkruid teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing, of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMATREËLS:

- Moet nie dampe of sproeinewel inasem nie.
- Was usef na toediening en na toevallige velkontak met seep en water.

- Dra rubberhandskoene en 'n gesigskerm wanneer die konsentraat hanteer word.
- Trek werksklere uit na toediening en was dit.
- Moet nie eet, drink of rook tydens vermenging, toediening of voordat hande en gesig gewas is nie.
- Vermy oorwaai van spuitnewel na ander gewasse, weiding, riviere, damme en gebiede wat nie onder behandeling is nie.
- Maak spuittoerusting skoon na gebruik of voordat dit met ander middels gebruik word.
- Raak ontslae van waswater waar dit nie gewasse, riviere, damme en weiding sal besoedel nie.
- Moet nie meng of laai binne 15 m van boorgate, strome, riviere of damme nie.
- Moet nie toedien binne 15 m van boorgate, strome of riviere nie.
- Moet nie toedien binne 60 m van damme nie.
- Maak seker dat geen terugvloei plaasvind na boorgat of damme wanneer produk deur 'n besproeiingssisteem aangewend word.
- Keer die leë houer om oor die spuit- of mengtenk en dreineer vir ten minste 30 sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuitenk voordat van die houer ontslae geraak word.
- Vernietig leë houer deur gate daarin te maak en plat te slaan en moet nooit vir enige ander doel gebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

SIMPTOME VAN MENSLIKE VERGIFTIGING: Geen tekens of simptome van menslike vergiftiging is bekend nie.

NOODHULPBEHANDELING:

Inaseming: Verwyder persoon van blootstelling, hou warm en stel gerus. Kry mediese hulp.

Velkontak: Was besoedelde dele met koue water, gevolg deur seep en water.

Oogkontak: Spoel oë met 'n oogspoeloplossing of skoon water vir ten minste 15 minute. Kry mediese hulp.

Inname: Moet nie braking veroorsaak nie. Gee 30 g geaktiveerde houtskool in 100 ml water. Plaas die persoon in 'n half regop posisie en gee baie water. Moet nie enige iets per mond aan 'n bewustelose persoon gee nie. Kry mediese hulp.

NOTA AAN GENEESHEER: Daar is nie 'n spesifieke teenmiddel nie. Behandel simptome en ondersteunend.

WEERSTANDSWAARSKUWING: FARMAZINE SUPER 600 SC is 'n groepkode 5 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **FARMAZINE SUPER 600 SC** of enige ander groepkode 5 onkruidodders het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **FARMAZINE SUPER 600 SC** of enige ander groepkode 5 onkruidodder beheer word nie.

Om weerstand teen onkruidodders te vertraag:

- Vermy die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende onkruidoddergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidodderprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSBEPERKINGS: Om skade aan opvolggewasse te voorkom moet die volgende wagperiodes in ag geneem word:

- mielies en suikerriet geen
- graansorghum 12 maande
- sonneblom, grondbone, sojabone, aartappels, droëbone, voersorghum, kleingrane 18 maande
- alle ander gewasse ('n toetsplanting word aanbeveel) 24 maande
- waar die **FARMAZINE SUPER 600 SC** wat toegedien word, nie 1,7 l/ha oorskry nie, kan die wagperiodes onder b) en c) hierbo genoem tot 9 maande verkort word, uitgesonder sandgronde van Noordwes Provinsie en Noord-Wes Vrystaat wat 1–10 % klei bevat.

Let wel:

- Bogenoemde wagperiodes geld slegs indien die korrekte hoeveelheid **FARMAZINE SUPER 600 SC** per grondsoort toegedien is en normale of bogemiddelde reënval gedurende die seisoen waarin die **FARMAZINE SUPER 600 SC** toegedien is en daarna voorgekom het.
- Waar **FARMAZINE SUPER 600 SC** toegedien is aan gronde wat uitsit met natwording en kraak of krummel by uitdroging, soos bv. turfgronde, mag die **FARMAZINE SUPER 600 SC** veel langer in die grond aktief bly as wat deur die bostaande wagperiodes aangedui word. Gevolglik moet **FARMAZINE SUPER 600 SC** nie op sulke gronde gebruik of aanbeveel word nie indien gevoelige gewasse in die voorsienbare toekoms daarop geplant mag word. Op sulke gronde mag vooropkomsbehandelings met **FARMAZINE SUPER 600 SC** ook swak onkruidbeheer tot gevolg hê.
- Moet nie **FARMAZINE SUPER 600 SC** toedien aan ingeteelde ouerplante van mielie- en graansorghum-basters, proef- of nuutvrygestelde mielie- of graansorghum kultivars sonder om eers die vervaardiger of saadverskaffer te raadpleeg nie.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

Verenigbaarheid: **FARMAZINE SUPER 600 SC** is verenigbaar met PARAQUAT 200, 2,4-D AMINE (480 g/l), METOLACHLOR 915 asook ALACHLOR

EC soos op hierdie etiket aanbeveel is sowel as met grondbesmettingsmiddels. Die verenigbaarheid van **FARMAZINE SUPER 600 SC** met ander produkte kan beïnvloed word deur die formulering van die betrokke produk asook deur die kwaliteit van die water wat van plaas tot plaas kan verskil en dus moet 'n fisiese verenigbaarheidstoets altyd uitgevoer word voor toediening.

Menginstruksies: Skud goed voor gebruik en plaas die deksel terug na gebruik. Maak die spuittenk halfvol met water en voeg die benodigde hoeveelheid **FARMAZINE SUPER 600 SC** deur 'n 500 maas sif by terwyl die water in die tenk geroer word. Vul die tenk verder totdat die verlangde volume verkry is. Wanneer **FARMAZINE SUPER 600 SC** in 'n tenkmengsel saam met ALACHLOR EC, 2,4-D AMINE (480 g/l), METOLACHLOR 915 of PARAQUAT 200 gebruik word, moet **FARMAZINE SUPER 600 SC** eerste met 'n half-tenk water vermeng en goed geroer word waarna die spuittenk feitlik geheel en al met water gevul word. Daarna moet die METOLACHLOR 915 of ALACHLOR EC bygevoeg word terwyl daar tot die finale volume opgevolg word. Waar 2,4-D AMINE (480 g/l) of PARAQUAT 200 in 'n mengsel met **FARMAZINE SUPER 600 SC** gebruik word, moet hulle laaste bygevoeg word. Maak seker dat die mengsel aanhoudend deeglik geroer word tydens vulling en toediening. Na elke dag se bespuiting moet die spuittoerusting deeglik met skoon water uitgepoel word. Moet nooit die produkte as konsentrate met mekaar vermeng nie.

Toedieningstegnieke: **FARMAZINE SUPER 600 SC** moet toegedien word voor of net na die onkruid opgekom het. Die grond moet verkieslik 'n egalige oppervlak hê sonder groot kluitte. Indien droë weerstoestande vir 'n periode van 7–14 dae na toediening voortduur, mag onkruid opkom en ontwikkel. Waar dit gebeur, word aanbeveel dat 'n ligte bewerking met 'n roltandeg uitgevoer word om hierdie onkruid te vernietig en die onkruiddoder met die boonste 10–20 mm grondlaag te vermeng.

Grondtoediening: **FARMAZINE SUPER 600 SC** kan met enige medium of hoë volume spuittoerusting toegedien word, solank die spuitapparaat met 'n goeie roermeganisme toegerus is wat 'n eweredige bedekking en verspreiding sal verseker. Die beste resultate word verkry deur van waaier tipe spuitpunte gebruik te maak en 'n minimum spuitvolume van 200 l water/ha toe te dien.

Lugtoediening: **FARMAZINE SUPER 600 SC** kan slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS 10118: 2009 (Aerial Application of Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- **Volume:** 'n Spuitmengsel volume van 30–40 l/ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- **Druppelbedekking:** 25–35 druppels/cm² moet op die teikenarea herwin word.
- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 350–400 mikron word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikron (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- **Vlieghoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3–4 m. Moet nie spuit wanneer die vliegtuig duik, uitklim of draai nie.
- Gebruik geskikte **atomiseringsapparaat** wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die bineste 60–75 % van die vlerkspan om te verhoed dat druppels binne-in die **vlerkpuntvorteks** beweeg.
- Die verskil in **temperatuur** tussen die nat- en droëboltermometer van 'n swaaihygrometer, moet nie 8 °C oorskry nie.
- Staak bespuiting indien die **windspoed** 15 km/uur oorskry.
- Staak bespuiting tydens **turbulente**, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur **inversie toestande** (deur bo of binne die inversie laag te spuit) en/of **hoë lugvog toestande** (relatiewe humiditeit 80 % en meer) mag tot volgende probleme aanleiding gee:
 - a) verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - b) skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

Vooropkomstoediening:

- 'n Minimum spuitvolume van 30 l/ha moet toegedien word.
- 'n Minimum van 20–30 druppels/cm² moet op die teiken gebied herwin word.
- Gebruik 'n druppelspektrum met 'n VMD van 450 mikron.

Na-opkomstoediening:

- 'n Minimum spuitvolume van 35 l/ha.
- 'n Minimum van 30–45 druppels/cm² moet op die teiken gebied herwin word.
- Gebruik 'n druppelspektrum met 'n VMD van 350 mikron.

MIELIES:**1. Voor- en vroeg na-opkoms van gewas en onkruid:**

KLEI (%)	DOSIS (ℓ/ha)	OPMERKINGS
0–10	2,10	FARMAZINE SUPER 600 SC kan slegs na-opkoms toegedien word mits die breëblaaronkruid nog nie verder as die 4-blaarstadium ontwikkel het nie en grasse nog nie opgekom het nie. Waar grasse reeds opgekom het en breëblaaronkruid verder as die 4-blaarstadium ontwikkel het, moet hierdie onkruid eers d.m.v. 'n bewerking vernietig word en die FARMAZINE SUPER 600 SC dan op skoon grond toegedien word. Wanneer FARMAZINE SUPER 600 SC na-opkoms aan onkruid toegedien word, moet 'n geskikte benatter by die spuitmengsel gevoeg word.
11–20	2,7	
21–30	3,30	
31–40	4,0	

2. Tydens plant of so gou moontlik (binne 2 dae) na plant:

KLEI (%)	FARMAZINE SUPER 600 SC + ALACHLOR EC (ℓ/ha)	FARMAZINE SUPER 600 SC + METOLACHLOR 915 (met beveiliger) (ℓ/ha)	OPMERKINGS
0–10	1,45–2,1 + 4,0	1,45–2,1 + 0,75	Om beheer te verkry van meeste eenjarige grassoorte soos op die METOLACHLOR 915 of ALACHLOR EC etiket vermeld, kan METOLACHLOR 915 of ALACHLOR EC by FARMAZINE SUPER 600 gevoeg word. Indien 'n korter nawerking verlang word weens opvolggewasse, gebruik slegs 1,5 ℓ/ha FARMAZINE SUPER 600 SC op gronde tot 35 %, en 2,0 ℓ/ha FARMAZINE SUPER 600 SC op grond bokant 35 % klei te same met die toepaslike dosis METOLACHLOR 915 of ALACHLOR EC. Vir die sandgronde van Noordwes-Provinsie en Noord-Wes Vrystaat kan die dosisse hieronder gebruik word waar spesifiek <i>Eleusine coracana</i> (jongosgras) en <i>Chloris virgata</i> (witpluimchloris) en breëblaaronkruid beheer moet word.
11–16	2,1 + 4,0	2,1 + 1,1	
17–20	2,3 + 4,5	2,3 + 1,1	
21–35	2,3–2,7 + 5,0	2,3–2,7 + 1,4	
> 35	3,3 + 5,0	3,3 + 2,0	
0–10	2,1 + 2,0	2,1 + 0,55	
11–20	2,7 + 2,0	2,7 + 0,75	

3. Na-opkoms, slegs waar 'n grasdoder alreeds toegedien is:

KLEI (%)	FARMAZINE SUPER 600 SC + 2,4-D AMINE (480 g/ℓ) (ℓ/ha)	OPMERKINGS
Alle soorte grond	1,7 + 0,5 OF 1,25 + 0,75	2,4-D AMINE kan soms stutwortelontwikkeling benadeel. Daarom word 'n lae dosis 2,4-D AMINE verkies. Waar <i>Commelina benghalensis</i> (Bengaalse wandelende Jood) of <i>Tribulus terrestris</i> (dubbeltjie) belangrik in die onkruidspektrum is, word behandeling met die hoër dosis 2,4-D AMINE verkies. Die onkruid moet bespuit word voordat dit groter as die 4-blaarstadium of 10 cm in lengte is. Indien dit later bespuit word, kan die onkruid met die gewas kompeteer en die oes verlaag en as die onkruid te groot word, kan swakker beheer ook verkry word. Waar die mielies groter as 40 cm is, moet 'n gerigte bespuiting gedoen word ten einde goeie bedekking te verseker.

GRAANSORGHUM (slegs na-opkoms):

KLEI (%)	FARMAZINE SUPER 600 SC + 2,4-D AMINE (480 g/ℓ) (ℓ/ha)	OPMERKINGS
Alle soorte grond	1,7 + 0,5	Die veiligste tyd van toediening is 4–5 weke na plant wanneer die graansorghum 4–5 blare het en ongeveer 15 cm hoog is. Die onkruid moet nie groter as die 4-blaarstadium of 10 cm in lengte wees nie. Onder warm vogtige toestande kan 2,4-D AMINE die graansorghum tydelik beskadig. Graansorghum ontgroeï hierdie beskadiging normaalweg vinnig en oesopbrengs word nie geaffekteer nie

GRAANSORGHUM (slegs na-opkoms):

KLEI (%)	FARMAZINE SUPER 600 SC	OPMERKINGS
0–20	NIE AANBEVEEL	FARMAZINE SUPER 600 SC kan slegs na-opkoms toegedien word mits die breëblaaronkruid nog nie verder as die 4-blaarstadium ontwikkel het nie en grasse nog nie opgekom het nie en die graansorghum reeds 5 of meer blare het. Waar grasse reeds opgekom het en breëblaaronkruid reeds verder as die 4-blaarstadium ontwikkel het, moet hierdie onkruid eers deur middel van 'n bewerking vernietig word en die FARMAZINE SUPER 600 SC dan op skoon grond toegedien word. Onder koue en/of baie nat toestande kan FARMAZINE SUPER 600 SC graansorghum beskadig.
21–30	NIE, 3,3	
31–40	4,0	

Mielies en graansorghum: Maak seker dat voldoende kunsmis gedurende plant in 'n band naby die saad geplaas word om die groei van die saailinge te bevorder.

Ou Saadbed/ minimum bewerking/ stoppelbewerking: Waar minimum- of stoppelbewerking toegepas word, mag onkruid ten tye van plant alreeds opgekom het. Indien gewasse onder sulke toestande, of in 'n ou saadbed geplant word, waar die grasonkruid alreeds ontkiem het en/ of die breëblaaronkruid verder as die 4-blaarstadium ontwikkel het, word aanbeveel dat PARAQUAT 200 by die **FARMAZINE SUPER 600 SC** of **FARMAZINE SUPER 600 SC** + ALACHLOR EC gevoeg word teen 'n hoeveelheid soos aanbeveel deur die vervaardiger. Die PARAQUAT 200 sal die bestaande onkruid vernietig en 'n skoon vooropkomstestand skep vir **FARMAZINE SUPER 600 SC** of **FARMAZINE SUPER 600 SC** + ALACHLOR EC. Waar PARAQUAT 200 bygevoeg word, moet toediening plaasvind voordat die gewas opgekom het, aangesien PARAQUAT 200 die gewas, indien al opgekom, sal beskadig. By minimum- of stoppelbewerking kan die digtheid van die stoppels en humus die werking van **FARMAZINE SUPER 600 SC** of **FARMAZINE SUPER 600 SC** + ALACHLOR EC benadeel. Raadpleeg dus 'n verteenwoordiger van die vervaardiger of verspreider.

LYS VAN ONKRUIDE WAT BEHEER WORD:

Breëblaaronkruid:			
Botaniese naam	Gewone naam	Botaniese naam	Gewone naam
<i>Acanthospermum australe</i>	Agtsadige kruipsterklits	<i>Crotalaria spaerocarpa</i>	Mielie Crotalaria
<i>Acanthospermum glabratum</i>	Vyfsadige kruipsterklits	<i>Datura ferox</i>	Grootstinkblaar
<i>Acanthospermum hispidum</i>	Regopsterklits	<i>Datura stramonium</i>	Stinkblaar
<i>Amaranthus deflexus</i>	Meerjarige misbredie	<i>Galinsoga parviflora</i>	Knopkruid
<i>Amaranthus hybridus</i>	Kaapse misbredie	<i>Gisekia pharmaceoides</i>	Gisekia
<i>Amaranthus thunbergii</i>	Roomisbredie	<i>Hibiscus cannabinus</i>	Wildestokroos
<i>Amaranthus spinosus</i>	Doringmisbredie	<i>Hibiscus trionum</i>	Terblansbossie
<i>Bidens bipinnata</i>	Spaanse knapsekêrel	<i>Nicandra physaloides</i>	Basterappelliefie
<i>Bidens pilosa</i>	Knapsekêrel	<i>Physalis angulata</i>	Wildeappelliefie
<i>Chenopodium album</i>	Withondebossie	<i>Portulaca oleracea</i>	Porslein
<i>Chenopodium carinatum</i>	Groen hondebossie	<i>Richardia brasiliensis</i>	Tropiese Richardia
<i>Cleome monophylla</i>	Rusperbossie	<i>Schkuhria pinnata</i>	Kleinkakiebos
<i>Cleome rubella</i>	Mooinoecientjie	<i>Tagetes minuta</i>	Kakiebos
<i>Cosmos bipinnatus</i>	Kosmos	<i>Vigna vexillata</i>	Wilde-akkerboontjie
<i>Commelina benghalensis</i>	Bengaalse wandelende Jood		
Grasse:			
<i>Eleusine coracana</i>	Jongosgras		
Indien droë weerstoestande voortduur vir 'n tydperk van 7–14 dae na 'n vooropkomsbespuiting, mag die volgende onkruidsoorte nie na wense beheer word nie, veral op swaarder grond:			
<i>Cosmos bipinnatus</i>	Kosmos	<i>Datura spp</i>	Stinkblaar
<i>Commelina benghalensis</i>	Bengaalse wandelende Jood	<i>Eleusine coracana</i>	Jongosgras
Die tenkmengsel met 2,4-D AMINE beheer al die bogenoemde breëblaaronkruid plus ook nog die volgende:			
<i>Xanthium strumarium</i>	Kankerroos	<i>Ipomoea purpurea</i>	Purperwinde
<i>Cucumis myriocarpus</i>	Wildekomkommer	<i>Ipomoea coscinosperma</i>	Purperwinde
<i>Tribulus terrestris</i>	Dubbeltjie		





FARMAZINE SUPER 600 SC

Reg No/Nr: L 7537: Act/Wet 36 of/van 1947

A suspension concentrated herbicide for the selective control of annual broadleaf weeds and goose grass as indicated in maize and grain sorghum.

'n Suspensie konsentraat onkruidodder vir die selektiewe beheer van breëblaaronkruidе asook jongosgras soos aangedui in mielies en graansorghum.

HRAC: HERBICIDE GROUP CODE	5	HRAC: ONKRUIDDODER GROEPKODE
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ACTIVE INGREDIENTS/AKTIIEWE BESTANDDELE:

Atrazine (triazine).....	290 g/l	Atrasiens (triasien)
Related active triazines.....	10 g/l	Verwante triasiens
Terbutylazine (triazine).....	290 g/l	Terbutielasiens (triasien)
Related active triazines.....	10 g/l	Verwante triasiens

Manufacture Date:
Vervaardigingsdatum

Batch No.:
Lotnommer

NET CONTENTS/NETTO INHOUD

**SEE ENCLOSED LEAFLET FOR FULL PARTICULARS
SIEN INGESLOTE VOUBILJET VIR VOLLE BESONDERHEDE**

REGISTERED BY/GEREGISTREER DEUR:
Castle Ag-Chem (PTY) LTD/(EDMS.) BPK

Reg. No/Nr: 2007/033120/07

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UN No.: 3082



HARMFUL
SKADELIK

