



# VEZIR<sup>®</sup> 240 SL

Reg. No. L 8406 Act / Wet No. 36 /1947

A water soluble herbicide for the control of annual broadleaf weeds, as listed below, in dry beans, soyabeans, and groundnuts.	'n Vloeistofkonsentraatonkruidodder vir die beheer van eenjarige breëblaronkruides soos hieronder aangedui in droëbone, sojabone en grondbone.
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<b>HRAC GROUP CODE HERBICIDE</b>	<b>B</b>	<b>HRAC GROEPKODE ONKRUIDDODER</b>
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### ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

Imazethapyr (imidazolinone) .....240 g / l ..... Imasetapir (imidasolinoon)

### NET MASS / NETTO MASSA

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### REGISTRATION HOLDER / REGISTRASIEHOUER

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Batch number ..... Lotnommer

Date of Manufacture ..... Datum van Vervaardiging

**VEZIR<sup>®</sup> 240 SL is the registered trademark of Adama, Israel.**  
**VEZIR<sup>®</sup> 240 SL is die geregistreerde handelsmerk van Adama, Israel.**

UN NUMBER: 3082



## WAARSKUWINGS:

Onthoudingsperiodes (minimum aantal dae tussen laaste toediening en oes of voer):

Alle gewasse ..... 85 dae

- Hanteer versigtig.
- Skadelik indien ingesluk.
- Matig irriterend vir oë en vel.
- Giftig vir waterorganismes.
- Bewaar in 'n koel, droë plek weg van voedsel, voer, kunsmisstowwe en ander landbouprodukte.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Lugtoediening:** Stel alle inwoners in die onmiddellike gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie spuit of toelaat dat spuitmis wegdryf na aanliggende gebiede, water of enige ander gebied wat nie onder behandeling is nie.

**Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid van toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die onkruid teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van 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.**

## VOORSORGMAATREELS:

- Moet nie dampe of spuitmis inasem nie.
- Was met water en seep na gebruik of na toevallige velkontak.
- Moet nie eet, drink of rook voordat hande en gesig gewas is nie.
- Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.
- Verhoed dat die sproeinewel wegdryf na ander gewasse, weiding, riviere of damme of enige ander gebied wat nie onder behandeling is nie.
- **SPOEL VAN HOUERS – DRIEKEER UITGESPOEL:** Keer die leë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk en vernietig die houer deur gate daarin te maak en plat te slaan. Doen weg daarmee op 'n veilige manier en moenie die leë houer vir enige ander doel hergebruik nie.
- Maak die toediener deeglik skoon na gebruik. Gooi die waswater waar dit nie gewasse, weiding, damme, riviere of boorgate sal besoedel nie.

## WEERSTANDSWAARSKUWING:

**VEZIR® 240 SL** word as 'n groepkode B onkruidodder geklassifiseer. Enige onkruidpopulasie mag individueel bevat wat 'n natuurlike weerstand teen **VEZIR® 240 SL** en ander groepkode B onkruidodders

het. Die weerstandbiedende individue kan uiteindelik die onkruidpopulasie domineer as hierdie onkruidodders aanhoudend en uitsluitlik gebruik word. Hierdie weerstandbiedende onkruid mag dalk nie deur **VEZIR® 240 SL** of enige ander groepkode B onkruidoder beheer word nie.

Om die voorkoms van weerstand te verdraag kan die volgende gedoen word:

- Vermoed die eksklusiewe aanhoudende gebruik van onkruidodders in dieselfde groepkode. Wissel af, of gebruik in tenkengsels met ander geregistreerde onkruidodders in ander groepkodes
- Integreer met ander beheermetodes (chemiese, bewerking, biologies) in onkruidbeheerprogramme

Vir meer spesifieke inligting rakende weerstandbestuur, skakel met die registrasiehouer van hierdie produk.

### **GEBRUIKSBEPERKINGS:**

#### **Algemeen:**

- Moenie **VEZIR® 240 SL** op die sojaboonkultivar PAN 717 as 'n na-opkombehandeling toedien nie.
- Dien **VEZIR® 240 SL** slegs op Helderberg, Kamberg, Kranskop, PAN 148, Sabie en Teebus droëboon kultivars toe.
- Vermoed na-opkomtoediening van **VEZIR® 240 SL** op plante wat onder stremming verkeer as gevolg van faktore soos droogte, aalwurm besmettings, siektes, voedingstekorte, of plante wat onder stremming verkeer veroorsaak deur 'n ander onkruidoder wat vroeër toegedien is.
- Wanneer **VEZIR® 240 SL** as 'n na-opkombehandeling op die gewas toegedien word, mag die toediening geskied na die ontwikkeling van die derde drieledige blaar, maar voor blomvorming.
- Wanneer 'n diep tussen-ry skoffelbewerking gedoen word om die grond te belug voor die na-opkombehandeling toegedien word, kan **VEZIR® 240 SL** onmiddellik na die bewerking toegedien word of enige tyd binne 14 dae daarna op voorwaarde dat die gewas nog nie begin blom het nie. Verdere vlak tussenry skoffelbewerkings mag wel nog uitgevoer word.
- Moet nie die na-opkombehandeling op gronde toedien wat minder as 15 % klei bevat nie.
- Vermoed die toediening van **VEZIR® 240 SL** op suur gronde waarvan die pH < 5 (KCl).
- Moet nie meer as 300 ml **VEZIR® 240 SL** per seisoen op 'n spesifieke land toedien nie.

#### **Wagperiodes vir Opvolggewasse:**

Droëbone, sojabone en grondbone.....	Geen
Koring .....	6 maande
Ander peulgewasse (behalwe droëbone, sojabone of grondbone) .....	10 maande
Mielies.....	20 maande

(Die volgende faktore mag die nawerking van die produk beïnvloed wat die wagperiode mag verkort:

- Grondtipe
- Reënval of besproeiing
- Toedieningshoeveelheid
- Mieliekultivar (kyk aan einde van die etiket)

Raadpleeg die verskaffer vir verdere inligting.)

Alle ander gewasse (sluit springmielies en suikermielies in) .....	24 maande
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- Om skade aan opvolggewasse te voorkom moet streng aan bogenoemde wagperiodes voldoen word.
- Die wagperiodes soos hierbo vermeld geld slegs indien die aanbevole toedieningshoeveelheid gebruik is en ten minste 350 ml reën of besproeiing plaasgevind het na toediening van **VEZIR® 240 SL** en aanplanting van die opvolggewas.
- Waar die hoër dosis van 190 – 210 ml / ha vir *Tribulus terrestris* beheer gebruik is, moet die wagperiodes, soos hierbo genoem, met 'n verdere 12 maande tot ten minste 20 maande verleng word, voordat 'n sensitiewe opvolggewas met relatiewe veiligheid geplant kan word.
- Die land moet altyd diep geploeg word voordat 'n opvolggewas geplant word.
- 'n Toetsaanplanting word nogtans aanbeveel.

### **GEBRUIKSAANWYSINGS:**

Gebruik slegs soos aangedui.

### **Algemeen:**

- **VEZIR® 240 SL** kan vooropkom of na-opkom van die gewas en onkruid, of in 'n program van 'n vooropkom gevolg deur 'n na-opkom toediening gebruik word.
- Verkieslik moet minstens 10 mm reën of besproeiing binne sewe dae na 'n vooropkom toediening val sodat die **VEZIR® 240 SL** in die bogrond ingeloog kan word, waar dit deur die wortels van ontkiemende onkruide opgeneem word.
- Indien droë weerstoestande vir 'n periode van sewe dae na toediening voortduur, mag onkruide ontkiem en ontwikkel. As dit plaasvind, word aanbeveel dat 'n vlak bewerking (3 – 5 cm) met 'n tandimplement bv. 'n roltand-eg uitgevoer word om die onkruide te vernietig en die onkruiddoder met die boonste grondlaag te vermeng.
- Indien swaar reën (>15 mm) sou val kort na 'n na-opkom toediening van **VEZIR® 240 SL** mag die werking van die bespuiting nie na wense wees nie, en 'n soortgelyke vlak bewerking soos hierbo beskryf mag nodig wees.
- Indien swaar reën sou val op sanderige gronde binne 'n paar dae na 'n vooropkom toediening, kan die produk oormatig uit die ontkiemingsone loog wat tot swak onkruidbeheer kan lei.
- Verkorting van internodes en / of 'n tydelike vergeling van die gewas mag voorkom, veral as stortreën (meer as 15 mm in 1 uur) kort na toediening van **VEZIR® 240 SL** geval het. Hierdie simptome sal meer sigbaar wees indien die gewas onder fisiologiese stremming verkeer as gevolg van ongunstige omgewings- of ander toestande. Die plante sal normaalweg binne een tot twee weke herstel. Gewasopbrengs word nie beïnvloed nie.
- Sommige onkruide kan ontkiem na die vooropkom toediening van **VEZIR® 240 SL** maar gevoelige onkruide se groei sal staak. Die groeipunte van beide die bogrondse dele en die wortels van vatbare onkruide se groei staak binne twee tot drie dae na 'n na-opkomtoediening van **VEZIR® 240 SL**. Binne die volgende 10 – 14 dae word die onkruide geel, en binne 3 – 5 weke sal hulle of doodgaan of glad nie meer met die gewas kompeteer nie.
- Vir verbeterde beheer van onkruide, veral *Tagetes minuta*, moet 'n vlak tussen-ry skoffelbewerking van minder as 5 cm diep uitgevoer word. Verseker dat dit plaasvind voordat die gewas toemaak. Verseker egter dat die bewerking nie te diep is wat latere onkruidbeheer nadelig kan beïnvloed nie.
- Op 'n land waar 'n besondere hoë onkruidpopulasie voorkom, mag die beheer van laat onkruide onaanvaarbaar wees vanwee die afskerming van die spuitstof deur digte groei asook dat daar nie genoegsaam produk die grondoppervlak bereik vir effektiewe nawerking en beheer van laat-ontkiers nie. Verseker goeie benatting en bedekking van die onkruide, veral wanneer hulle

saam met die gewas 'n digte blaremassa vorm.

- Verseker dat die grond se voedingstatus 'n optimale vlak bereik het, veral die fosfaatstatus wat 'n minimum van 20 – 25 dpm moes bereik het.

#### **Verenigbaarheid:**

- **VEZIR® 240 SL** is verenigbaar met piretroïede, Alanex 480 CS (Reg. nr L6468), Sultan 500 SC (Reg. nr L6892), asetochlor en metolachlor teen die aanbevole toedieningshoeveelheide, asook met ammoniumsulfaat en MCW EOS (Reg. nr L7954).
- **VEZIR® 240 SL** is nie verenigbaar met na-opkom grasdoders nie, as gevolg van verskillende metodes van werking.
- Indien **VEZIR® 240 SL** in kombinasie met enige ander landboumiddel gebruik word, moet alle Waarskuwings, Voorsorgmaatreëls en Gebruiksaanwysings soos op daardie etiket genoem word, nagekom word.

#### **Vermenging:**

Maak die spuittenk half vol met skoon water. Vermeng die benodigde hoeveelheid **VEZIR® 240 SL** vooraf met minstens 10 l water. Voeg by die spuit- of mengtenk terwyl geroer word. Vul die tenk met water terwyl die mengsel deeglik geroer word. Indien **VEZIR® 240 SL** met 'n ander middel gemeng word, moet die aanwysings op die middel se etiket nagevolg gevolg word en die verlangde hoeveelheid moet vooraf eers met minstens 10 l water gemeng word en dan in die spuittenk gevoeg word. Vir na-opkombespuiting, moet ammoniumsulfaat en MCW EOS bygevoeg word.

Dit is belangrik dat die spuitmengsel in suspensie gehou word tydens vermenging en toediening deur voortdurend deeglik te roer. Aangemaakte spuitmengsels moet nie in die spuittenk gelaat word vir 'n onbepaalde tyd, bv. oornag, nie.

Die gebruik van 'n geregistreerde buffer word aanbeveel indien water met 'n hoë pH (> 8) gebruik word vir toediening.

#### **TOEDIENING:**

##### **Grondtoediening:**

**VEZIR® 240 SL** kan deur middel van enige geskikte medium- of hoëvolume spuitapparaat toegedien word, mits dit met 'n doeltreffende roermeganisme toegerus is, en dit korrek gekalibreer is. Verseker deeglike, eweredige bedekking van die teiken deur gebruik te maak van minstens 200 l water / ha.

##### **Lugtoediening:**

**VEZIR® 240 SL** kan deur middel van lugtoediening aangewend word deur 'n geregistreerde Lugtoedieningsoperateur wat gebruik maak van 'n korrek gekalibreerde geregistreerde vliegtuig wat volgens die instruksie van SANS Kode 10118 (Lugtoedienging van Landbouchemiese Middels) bedryf word. Daar moet verseker word dat die spuitmengsel eweredig oor die teikengebied versprei word en dat die verlies aan spuitmateriaal tot 'n minimum beperk word. Dit is dus noodsaaklik dat aan die volgende kriteria voldoen word:

- **Volume:** Dit word aanbeveel dat 'n spuitvolume van minstens 30 l / ha gebruik word. Omdat hierdie produk nie by laer volumes ge-evalueer is nie, kan die registrasiehouer nie verantwoordelik

- gehou word vir enige negatiewe effek, sou dit teen 'n laer volume as die aanbevole volume toegedien word.
- **Druppelverspreiding:** 20 tot 30 druppels / cm<sup>2</sup> moet op die teikengebied herwin word vir vooropkom en 35 – 45 druppels / cm<sup>2</sup> vir na-opkom.
  - **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 350 tot 400 mikron word aanbeveel vir vooropkom en 300 – 350 mikron vir na-opkom. Die vorming van druppels met 'n VMD kleiner as 150 mikron moet tot 'n minimum beperk word
  - **Vlieghoogte:** Handhaaf 'n vlieghoogte van tussen 3 – 4 m vanaf die teikenoppervlak tot die spuitbalk. Moet nie spuit as die vliegtuig duik, klim of draai nie.
  - Gebruik geskikte **atomiseringsapparaat** wat die geskikte druppelgrootte en verspreiding sal verskaf, maar wat 'n minimum verlies aan produk tot gevolg sal hê. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
  - Plaas al die atomiseerders in die binneste 60 – 75 % van die vlerkspan om te verhoed dat druppels in die **vlerkpuntvortekse** beweeg.
  - Die verskil in **temperatuur** tussen die nat- en droëboltermometer van 'n swaai hygrometer, moet nie 8°C oorskry nie.
  - Staak die bespuiting indien die **windspoed** 15 km / h oorskry.
  - Staak bespuiting onder toestande van **turbulente** onstabiele, droë toestande gedurende die hitte van die dag.
  - Bespuiting onder temperatuur **inversietoestande** (deur bo of binne die inversielaag te spuit) en / of **hoë lugvogtoestande** (relatiewe humiditeit 80 % en meer) mag tot die volgende probleme aanleiding gee:
    - a) Verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang (onvoldoende bedekking van teiken)
    - b) Skade aan nie-teikengewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
  - Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit gaan 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.

#### TOEDIENINGSHOEVEELHEDE:

GEWAS & TOEDIENING	KLEI %	TOEDIENINGS-HOEVEELHEID / HA	OPMERKINGS
<b>DROËBONE</b> <i>Phaseolus vulgaris</i> and <i>P. coccineus</i> 'n Enkel Vooropkomtoediening	0 – 15 16 – 25 26 – 30*	125 ml 170 ml 210 ml <i>*Indien 'n na-opkom toediening die vooropkom toediening gaan volg moet nie meer as 170 ml by die vooropkom toediening gebruik word nie.</i>	Dien <b>VEZIR® 240 SL</b> as 'n vooropkombehandeling toe (gewas en onkruid) op 'n goed voorbereide, gelyk, fyn, ferm saadbed sonder kluite en sonder oormatige plantreste.  <b>Grondtoediening:</b> Dien met 'n geskikte medium- of hoëvolume spuitapparaat in minstens 200 l water / ha gedurende of binne 3 dae na plant toe.  Vir verbeterde grasbeheer, kan <b>VEZIR® 240 SL</b> met 'n geregistreerde vooropkom grasonkruidodder teen die voorgeskrewe dosis

GEWAS & TOEDIENING	KLEI %	TOEDIENINGS-HOEVEELHEID / HA	OPMERKINGS
			gemeng word.  <b>Lugtoediening:</b> Dien, soos by Grondtoediening, in ten minste 35 l water / ha toe.
<b>DROËBONE</b> <i>Phaseolus vulgaris</i> and <i>P. coccineus</i> ‘n Vooropkom-gevolg deur ‘n Na-opkomtoediening	0 – 15  16 – 25  26 – 30	‘n Opvolgbehandeling word nie op hierdie grondtipe aanbeveel nie. Dien net vooropkom toe soos hierbo vermeld.  170 ml (vooropkom) gevolg deur 125 ml + 2% ammoniumsulfaat oplossing + 500 ml EOS / 100 l water  170 ml (vooropkom) gevolg deur 125 ml + 2% ammoniumsulfaat oplossing + 500 ml EOS / 100 l water	‘n Opvolgbehandeling kan toegedien word as ‘n addisionele behandeling na die vooropkombehandeling wat hierbo beskryf is. Die opvolgbehandeling kan toegedien word vir verbeterde laatseisoen breëblaaronkruidbeheer, veral <i>Tagetes minuta</i> . Hierdie na-opkomtoediening kan slegs op Helderberg, Kamberg, Kranskop, PAN 148, Sabie en Teebus kultivars gebruik word.  <b>Grondtoediening:</b> Dien met ‘n geskikte medium- of hoëvolume spuitapparaat in minstens 200 l water / ha toe in ‘n tenkmengsel met ammoniumsulfaat en EOS. Dien 2 – 3 weke na die vooropkombehandeling toe. <b>Waarskuwing:</b> Gewasse met diggeplante rye (met ‘n hoë plantpopulasie) kan die spuitnewel afskerm. Dit kan tot onvoldoende benatting van die onkruid en die grond lei wat tot swak beheer mag lei. Gebruik van valarms in so ‘n geval word aanbeveel.  <b>Lugtoediening:</b> Dien, soos by Grondtoediening, in ten minste 35 l water / ha toe.
<b>GRONDBONE</b> ‘n Enkel Vooropkomtoediening	0 – 15 16 – 25 26 – 30	125 ml 170 ml 210 ml	<b>VEZIR® 240 SL</b> kan toegedien word as of ‘n vooropkom- of ‘n na-opkombehandeling. ‘n Opvolgbehandeling word nie aanbeveel nie. In lande waar <i>Tribulus terrestris</i> ‘n probleem is, moet ‘n vooropkomtoediening van 190 - 210 ml / ha gebruik word. Hierdie hoër dosis mag egter veroorsaak dat <b>VEZIR® 240 SL</b> na die volgende seisoen oordra.  <b>Grondtoediening:</b> Dien met ‘n geskikte medium- of hoëvolume spuitapparaat in minstens 200 l water / ha gedurende of binne 3 dae na plant toe.  Vir verbeterde grasbeheer, kan <b>VEZIR® 240 SL</b>

GEWAS & TOEDIENING	KLEI %	TOEDIENINGS-HOEVEELHEID / HA	OPMERKINGS
			<p>met 'n geregistreerde vooropkom grasonkruiddoder teen die voorgeskrewe dosis gemeng word.</p> <p><b>Lugtoediening:</b> Dien, soos by Grondtoediening, in ten minste 35 l water / ha toe.</p>
<b>GRONDBONE</b> 'n Enkel Na-opkomtoediening	0 – 15	'n Na-opkomtoediening word nie op hierdie grondtipe aanbeveel nie. Dien net vooropkom toe soos hierbo vermeld.	<p><b>VEZIR® 240 SL</b> kan as 'n na-opkombehandeling toegedien word waar omstandighede verhoed het dat dit as 'n vooropkombespuiting toegedien is. Verseker dat dit as 'n vooropkom- of 'n na-opkombehandeling toegedien word. 'n Opvolgbehandeling word nie aanbeveel nie.</p> <p><b>Grondtoediening:</b> Dien met 'n geskikte medium- of hoëvolume spuitapparaat in minstens 200 l water / ha toe in 'n tenkmengsel met ammoniumsulfaat en EOS. Dien 14 – 25 dae na plant toe, wanneer die onkruid gewoonlik 3 – 6 cm hoog (1 - 3 blaarstadium), is.</p> <p><b>Waarskuwing:</b> Gewasse met diggeplante rye (met 'n hoë plantpopulasie) kan die spuitnewel afskerm. Dit kan tot onvoldoende benatting van die onkruid en die grond lei wat tot swak beheer mag lei. Gebruik van valarms in so 'n geval word aanbeveel.</p> <p><b>Lugtoediening:</b> Dien, soos by Grondtoediening, in ten minste 35 l water / ha toe.</p>
	16 – 25	<p>300 ml + 2% ammoniumsulfaat oplossing</p>	
	26 – 30	<p>500 ml EOS / 100 l water</p> <p>300 ml + 2% ammoniumsulfaat oplossing</p> <p>500 ml EOS / 100 l water</p>	
<b>SOJABONE</b> 'n Enkel Vooropkomtoediening	0 – 15	125 ml	<p>Dien <b>VEZIR® 240 SL</b> as 'n vooropkombehandeling toe (gewas en onkruid) op 'n goed voorbereide, gelyk, fyn, ferm saadbed sonder kluite en sonder oormatige plantreste.</p> <p><b>Grondtoediening:</b> Dien met 'n geskikte medium- of hoëvolume spuitapparaat in minstens 200 l water / ha gedurende of binne 3 dae na plant toe.</p> <p>Vir verbeterde grasbeheer, kan <b>VEZIR® 240 SL</b> met 'n geregistreerde vooropkom grasonkruiddoder teen die voorgeskrewe dosis gemeng word.</p>
	16 – 25	170 ml	
	26 – 30*	210 ml	

*\*Indien 'n na-opkom toediening die vooropkom toediening gaan volg moet nie meer as 170 ml by die vooropkom toediening gebruik word nie.*



GEWAS & TOEDIENING	KLEI %	TOEDIENINGS-HOEVEELHEID / HA	OPMERKINGS
			<p><b>Lugtoediening:</b> Dien, soos by Grondtoediening, in ten minste 35 l water / ha toe.</p>
<p><b>SOJABONE</b> ‘n Vooropkom-gevolg deur ‘n Na-opkomtoediening</p>	<p>0 – 15</p> <p>16 – 25</p> <p>26 – 30</p>	<p>‘n Opvolgbehandeling word nie op hierdie grondtipe aanbeveel nie. Dien net vooropkom toe soos hierbo vermeld.</p> <p>170 ml (vooropkom) gevolg deur 125 ml + 2% ammoniumsulfaat oplossing + 500 ml EOS / 100 l water</p> <p>170 ml (vooropkom) gevolg deur 125 ml + 2% ammoniumsulfaat oplossing + 500 ml EOS / 100 l water</p>	<p>‘n Opvolgbehandeling kan ook toegedien word as ‘n adisionele behandeling na die vooropkombehandeling soos hierbo beskryf is. ‘n Opvolgbehandeling kan toegedien word na die vooropkombespuiting vir verbeterde laatseisoen breëblaaronkruidbeheer, veral <i>Tagetes minuta</i>. Hierdie na-opkomtoediening kan nie op PAN 717 sojaboonkultivar toegedien word nie.</p> <p><b>Grondtoediening:</b> Dien met ‘n geskikte medium- of hoëvolume spuitapparaat in minstens 200 l water / ha toe in ‘n tenkmengsel met ammoniumsulfaat en EOS. Dien 2 – 3 weke na die vooropkombehandeling toe.</p> <p><b>Waarskuwing:</b> Gewasse met diggeplante rye (met ‘n hoë plantpopulasie) kan die spuitnewel afskerm. Dit kan tot onvoldoende benatting van die onkruid en die grond lei wat tot swak beheer mag lei. Gebruik van valarms in so ‘n geval word aanbeveel.</p> <p><b>Lugtoediening:</b> Dien, soos by Grondtoediening, in ten minste 35 l water / ha toe.</p>
<p><b>SOJABONE</b> ‘n Enkel Na-opkomtoediening</p>	<p>0 – 15</p> <p>16 – 25</p> <p>26 – 30</p>	<p>‘n Na-opkomtoediening word nie op hierdie grondtipe aanbeveel nie. Dien net vooropkom toe soos hierbo vermeld.</p> <p>300 ml + 2% ammoniumsulfaat oplossing + 500 ml EOS / 100 l water</p> <p>300 ml + 2% ammoniumsulfaat</p>	<p><b>VEZIR® 240 SL</b> kan as ‘n na-opkombehandeling toegedien word waar omstandighede verhoed het dat dit as ‘n vooropkombespuiting toegedien is. ‘n Geregistreerde vooropkomgrasdoder moet vooraf toegedien word.</p> <p><b>Grondtoediening:</b> Dien met ‘n geskikte medium- of hoëvolume spuitapparaat in minstens 200 l water / ha toe in ‘n tenkmengsel met ammoniumsulfaat en EOS. Dien 14 – 25 dae na plant toe, wanneer die onkruid gewoonlik 3 – 6 cm hoog (1 - 3 blaarstadium), is.</p> <p><b>Waarskuwing:</b> Gewasse met diggeplante rye (met ‘n hoë plantpopulasie) kan die spuitnewel afskerm. Dit kan tot onvoldoende benatting van die onkruid en die grond lei wat tot swak beheer mag lei. Gebruik van valarms in so ‘n geval word</p>

GEWAS & TOEDIENING	KLEI %	TOEDIENINGS-HOEVEELHEID / HA	OPMERKINGS
		oplossing + 500 ml EOS / 100 l water	aanbeveel.  <b>Lugtoediening:</b> Dien, soos by Grondtoediening, in ten minste 35 l water / ha toe.

**MCW EOS** (Reg. nr L7954) is die geregistreerde handelsmerk van Makhteshim Agan Industries, Israel.

**ALANEX 490 CS** (Reg. nr L6468) is die geregistreerde handelsmerk van Makhteshim Agan Industries, Israel.

**SULTAN 500 SC** (Reg. nr L6892) is die geregistreerde handelsmerk van Makhteshim Agan Industries, Israel.

#### ONKRUIDSPEKTRUM:

Die volgende onkruid word normaalweg deur **VEZIR® 240 SL** (vooropkomtoediening) beheer:

<i>Acanthospermum hispidum</i>	Regopsterklits
<i>Amaranthus deflexus</i>	Meerjarige misbredie
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus thunbergii</i>	Rooimisbredie
<i>Chenopodium album</i>	Withondebossie

Die volgende onkruid word wisselvallige beheer wanneer net **VEZIR® 240 SL** (vooropkomtoediening) gebruik word:

<i>Commelina benghalensis</i>	Wandelende jood
<i>Cyperus esculentus</i>	Geeluintjie
<i>Cyperus rotundus</i>	Rooiuintjie
<i>Datura ferox</i>	Grootstinkblaar
<i>Datura stramonium</i>	Gewone stinkblaar
<i>Galinsoga parviflora</i>	Knopkruid
<i>Portulaca oleracea</i>	Gewone porslein
<i>Tagetes minuta</i>	Kakiebos
<i>Tribulus terrestris</i> <sup>1</sup>	Gewone dubbeltjie
<i>Xanthium strumarium</i>	Kankerroos

**Let wel:** Indien **VEZIR® 240 SL** egter in kombinasie met Alanex 480 CS (Reg. nr L6468), Sultan 500 SC (Reg. nr L6892), asetochlor of metolachlor as 'n tenkmengsel of splittoediening gebruik word, sal die beheer van bogenoemde onkruid verbeter word. Verwys ook na die betrokke produketiket vir die onkruid wat beheer word deur spesifieke produkte.

<sup>1</sup>In lande waar *Tribulus terrestris* 'n probleem is, kan 'n dosis van ten minste 190 - 210 ml / ha as 'n vooropkombehandeling toegedien word ongeag die grondtipe en meer as 80 % beheer kan dan verwag word. As gevolg van hierdie hoër toedieningshoeveelheid, kan **VEZIR® 240 SL** langer aktief bly in sekere grondtipes en kan derhalwe oorgedra word na die volgende seisoen wat die wagperiodes vir die aanplant van opvolgewasse sal beïnvloed.

Die volgende onkruid word normaalweg beheer wanneer **VEZIR® 240 SL** (voor- en na-opkومتوediening) in kombinasie met a geregistreerde vooropkomgrasdoder gebruik word:

<i>Acanthospermum australe</i>	Kruipsterklits (8-sadig)
<i>Acanthospermum glabratum</i>	Kruipsterklits (5-sadig)
<i>Acanthospermum hispidum</i>	Regopsterklits
<i>Amaranthus deflexus</i>	Meerjarige misbredie
<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Amaranthus thunbergii</i>	Rooimisbredie
<i>Chenopodium album</i>	Withondebossie
<i>Cleome monophylla</i>	Rusperbossie
<i>Commelina benghalensis</i>	Wandelende jood
<i>Datura ferox</i>	Groot stinkblaar
<i>Datura stramonium</i>	Gewone stinkblaar
<i>Flaveria bidentis</i>	Smeltersbossie
<i>Galinsoga parviflora</i>	Knopkruid
<i>Nicandra physaloides</i>	Basterappelliefie
<i>Physalis angulata</i>	Wilde appelliefie
<i>Tagetes minuta</i> <sup>2</sup>	Kakiebos
<i>Triumfetta annua</i>	Klitse
<i>Xanthium strumarium</i>	Kankerroos

<sup>2</sup>Net onkruid wat ontkiem en bokant die grond verskyn het sal beheer word – saailinge wat ontkiem na toediening sal net 60 – 70 % beheer word.

Die volgende onkruid word wisselvallige beheer waneer net **VEZIR® 240 SL** (na-opkومتوediening) gebruik word:

<i>Bidens pilosa</i>	Knapsekêrel
<i>Bidens formosa</i>	Kosmos
<i>Cyperus esculentus</i>	Geeluintjie
<i>Cyperus rotundus</i>	Rooiuintjie
<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Echinochloa colona</i>	Moerasgras
<i>Echinochloa crus-galli</i>	Hanepoortmanna
<i>Eleusine coracana</i>	Jongosgras
<i>Eragrostis curvula</i>	Oulandsgras
<i>Hibiscus trionum</i>	Terblansbossie
<i>Ipomoea purpurea</i>	Purperwinde
<i>Panicum schinzii</i> <sup>3</sup>	Vleibuffelsgras
<i>Portulaca oleracea</i>	Porslein
<i>Rottboelia chinchinensis</i>	Tarentaalgras
<i>Schukuhria pinnata</i>	Klein kakiebos
<i>Sorghum halepense</i>	Johnson gras
<i>Tribulus terrestris</i>	Dubbeltjie
<i>Zea mais</i> <sup>4</sup>	Opslagmielies

<sup>3</sup>Plante verkleur pers binne 2 - 3 weke, maar neem langer as meeste ander onkruid om dood te gaan – minimum 4 – 5 weke.

<sup>4</sup>Mielie basters wat tolerant is, sal nie beheer word nie. Kontak die verskaffer oor inligting aangaande tolerante basters.

#### **RIGLYNE VIR DIE KEUSE VAN MIELIEBASTERS:**

##### **a) 10 Maande Wagperiode:**

Waar die vorige seisoen die aanbevole hoër dosis van 190 - 210 ml / ha **VEZIR® 240 SL**, vir *Tribulus terrestris* beheer, toegedien is.

PHB 30H22  
PHB 3394  
PHB 35A19  
CRN 3549

Hierdie groep mieliebasters, wat semi-tolerant is vir die Imidasolinoononkruidodders, kan geplant word waar in die vorige seisoen 'n gemiddelde, of bogemiddelde reënval voorgekom het. Moet nie hierdie basters plant as minder as 350 mm reën voorgekom het nie.

##### **b) 10 Maande Wagperiode:**

Waar die standaard geregistreerde dosis van **VEZIR® 240 SL** vir die grondtipe die vorige seisoen toegedien is.

CRN 3414	PHB 30D05
CRN 3505	PHB 30T43
CRN3604	PHB 3203
CRN3631	PHB 32K39
CRN 3760	PHB 32K61
CRN3891	SC 707
CRN4502	SNK 2147
Goldfinger	SNK 2401
Highflyer	SNK 2640
LS 8503	SNK 2776
PAN 6146	SNK 2860
PAN 6233	Woodriver
PAN 6364	

Hierdie tweede groep semi-tolerante mieliebasters, kan geplant word slegs waar die gemiddelde reënval, of meer, die vorige seisoen voorgekom het. Waar minder as die gemiddelde reënval die vorige seisoen voorgekom het, mag slegs die mieliebasters wat in punt (a) hierbo genoem word, gebruik word.

##### **c) 20 Maande Wagperiode:**

'n Minimum wagperiode van 20 maande word aanbeveel in die produksiegebiede van die Wes Vrystaat, westelike Noord-wes Provinsie, en die noordelike Noordkaap Provinsie, vir alle mieliebasters wat nie hierbo gelys is nie. 'n Toetsaanplanting word nogtans aanbeveel. Indien daar enige twyfel bestaan, moet 'n geelmieliebaster eerder as 'n witmieliebaster gebruik word.

## WARNINGS:

Withholding periods (minimum number of days between last application and harvest or feeding):

All crops ..... 85 days

- Handle with care.
- Harmful if swallowed.
- May irritate the eyes and skin.
- Toxic to aquatic organisms.
- Store in a cool dry place away from food, feed, fertilizer and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.
- **Aerial application:** Notify all the inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas, water or any other area that is not under treatment.

**Although this remedy has been extensively tested under a variety of conditions the registration holder does not warrant that it will be effective under all conditions. The activity and efficacy of the product 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 weeds against the remedy, 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 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 with soap and water after use or after accidental skin contact.
- Do not eat, drink or smoke while mixing or applying or before hands and face are washed.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Avoid drift of spray to other crops, grazing, rivers, dams or any other area that is not under treatment.
- **RINSING OF CONTAINER - TRIPLE RINSE:** 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 by perforation and flattening. Never re-use the container for any other purpose.
- Clean the applicator after use. Dispose of the rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.

## RESISTANCE WARNING:

**VEZIR® 240 SL** is classified as a Group Code B Herbicide. Any weed population may contain individuals which are naturally resistant to **VEZIR® 240 SL** and other Group Code B herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used continuously and exclusively. These resistant weeds may not be controlled by **VEZIR® 240 SL** or any Group Code B herbicide.

To delay resistance the following can be done:

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

- Integrate other control methods (chemical, cultural, biological) into weed control programmes

For specific information on resistance management contact the registration holder of this product.

## USE RESTRICTIONS:

### General:

- Do not apply the post-emergence treatment of **VEZIR® 240 SL** to PAN 717 soyabeans.
- Only apply **VEZIR® 240 SL** to Helderberg, Kamberg, Kranskop, PAN 148, Sabie and Teebus dry bean cultivars.
- Do not apply **VEZIR® 240 SL** post-emergence to plants stressed in any way, e.g. by factors such as drought, disease, nutritional deficiencies, nematode infestations or prior use of other herbicides.
- **VEZIR® 240 SL** can be applied post-emergence to a crop at any time after the full emergence of the third trifoliolate leaf and before flowering.
- If it is necessary to aerate the soil by cultivation before the post-emergence application is made, **VEZIR® 240 SL** can be applied immediately after the cultivation or up to 14 days later, provided that the crop has not started flowering. If necessary, further shallow cultivations may be carried out.
- Do not apply post-emergence on soils with less than 15% clay.
- Do not use **VEZIR® 240 SL** on acidic soils with a pH below 5 ((KCl).
- Do not apply more than 300ml/ha **VEZIR® 240 SL** on a particular field per season.

**Waiting Periods for Follow-On Crops:** (from after the last application to before the planting of the follow-on crop)

Dry beans, soyabeans and groundnuts .....	None
Wheat .....	6 months
Any other legume (other than dry beans, soyabeans and groundnuts).....	10 months
Maize.....	20 months

(Depending on the following factors, however, the waiting period may be shorter:

- Soil type
- Rainfall / irrigation
- Application rate
- Maize variety (please see end of label)

Contact the supplier for further information.)

All other crops (including popcorn and sweetcorn).....	24 months
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- The waiting periods indicated above should be strictly adhered to in order to avoid the possibility of damage to follow-on crops.
- These waiting periods are only valid if the recommended application rates described in this label are used.
- It is also necessary that a minimum of 350mm of rainfall and/or irrigation occur and, occur specifically, after the application of **VEZIR® 240 SL** and prior to the planting of the follow-on crop.
- These waiting periods will increase by an extra 12 months to a minimum of 20 months if the higher rate of 190 – 210 ml / ha has been used to control *Tribulus terrestris*,
- Land should always be well ploughed before planting a follow-on crop, and test planting is highly recommended.

## **DIRECTIONS FOR USE:**

Use only as directed.

### **General:**

- **VEZIR® 240 SL** can be used either pre- or post-emergence of weeds and crop, as well as in combination as a pre-emergence application with a post-emergence follow-on spray.
- Ideally 10 mm of rain should fall within seven days of a pre-emergence application in order for the **VEZIR® 240 SL** to leach into the top layer of soil where it can be absorbed by the roots of germinating weeds.
- If rain does not fall within seven days of an application, weeds may not come into contact with the **VEZIR® 240 SL** or absorb it. In such a scenario, carry out a shallow cultivation / surface blend (3 – 5cm) to control the weeds and also to incorporate the **VEZIR® 240 SL** into the top layer of soil.
- If heavy rains (> 15 mm / hour) fall within a few hours of a **VEZIR® 240 SL** application, the post-emergence efficacy may be reduced. A similar shallow cultivation can be carried out under these conditions. The residual efficacy of **VEZIR® 240 SL** should not be influenced.
- If heavy rains fall on sandy soils within a few days of a pre-emergence application, poor weed control may result due to the movement of the **VEZIR® 240 SL** out of the relevant area altogether.
- In the case where heavy rains fall soon after a post-emergence application of **VEZIR® 240 SL**, inter-node shortening and/or temporary yellowing of the crop may occur. Stressful environmental conditions can exacerbate these effects, however, normal growth and appearance should resume within 1 - 2 weeks. Yield should not be adversely affected in anyway.
- After a pre-emergence application of **VEZIR® 240 SL**, weeds still germinate but soon succumb and stop growing. After a post-emergence application, susceptible weeds stop growing within 2 - 3 days. Over the next 10 – 14 days they begin yellowing and after 3 - 5 weeks they either die or simply no longer compete with the crop.
- The control of late season weeds may appear to be unacceptable in treated areas of exceptionally high weed density. Due to the thick weed and crop canopy, sufficient herbicide cannot reach the soil for residual control. In cases such as these, ensure thorough coverage and wetting of the weeds.
- A shallow surface blend or inter-row cultivation (<5 cm deep) can be carried out for increased weed control, especially of *Tagetes minuta*. Ensure that it is carried out at least once before the crop canopies, and that it is not too deep since this could reduce the level of control and a further cultivation would then be necessary.
- Ensure that the soil nutritional status is optimal, especially the phosphate levels which should be a minimum of 20 – 25 ppm.

### **Compatibility:**

- **VEZIR® 240 SL** is compatible with most commonly used pyrethroids, as well as Alanex 480 CS (Reg. no. L6468), Sultan 500 SC (Reg. no. L6892), acetochlor, metolachlor, ammonium sulphate and MCW EOS (Reg. no. L7954).
- **VEZIR® 240 SL** is not compatible with post-emergence grass herbicides because of the different modes of action.
- If **VEZIR® 240 SL** is used in combination with another agrochemical, the label instructions of the other product should be read, understood and strictly adhered to.

### **Mixing:**

Fill spray tank with clean water to half full. Pre-mix the required volume of **VEZIR® 240 SL** with a minimum of 10 l water. Add to the spray or mixing tank while agitating the spray solution. Fill the tank to capacity while agitation is continued. If **VEZIR® 240 SL** is mixed with another chemical, the label instructions should be followed and the product should be pre-mixed in a similar fashion prior to being added to the spray tank. For post-emergence spraying, add ammonium sulphate and MCW EOS.

It is important that the spray mixture be kept in suspension during the mixing and application processes by thorough and continuous agitation. Do not leave the spray mixture in the spray tank for any length of time e.g. overnight.

If the water has a pH > 8, it is recommended that you use a buffering agent.

## **APPLICATION:**

### **Ground application:**

**VEZIR® 240 SL** can be applied by means of any suitable medium to high volume applicator, provided that it is fitted with an efficient agitation system, it is able to apply the spray mixture evenly over the target area and it is calibrated correctly. Ensure thorough coverage of the target area by using not less than 200 l spray mixture per ha.

### **Aerial application:**

Aerial application of **VEZIR® 240 SL** 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 minimum spray volume of 30 l per ha is recommended. As the product has not been evaluated at a reduced volume rate the registration holder can not guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended
- **Droplet coverage:** 20 - 30 droplets per cm<sup>2</sup> must be recovered at the target area for pre-emergence and 35 – 45 for post-emergence.
- **Droplet size:** A droplet with a VMD of 350 – 400 micron is recommended for pre-emergence and 300 – 350 micron for post-emergence. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom 3 – 4 metres above the target. Do not spray when the aircraft dives, banks or is in a climb.
- 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 Relative Span.
- Position all atomisers within the inner 60 – 75 % of the wing span to prevent droplets from entering the **wingtip vortices**
- The differences 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.



**APPLICATION RATES:**

<b>CROP &amp; TREATMENT</b>	<b>CLAY %</b>	<b>DOSAGE RATE / HA</b>	<b>REMARKS</b>
<b>DRY BEANS</b> <i>Phaseolus vulgaris</i> <b>and P. coccineus</b> Single pre-emergence application	0 – 15	125 ml	Apply <b>VEZIR® 240 SL</b> pre-emergence (to crop and weeds) onto a well-prepared seedbed that is fine, even and firm and without excessive plant rests.  <b>Ground application:</b> Apply by means of a suitable medium or high volume applicator in at least 200 l of water / ha at planting or within 3 days of planting.  <b>VEZIR® 240 SL</b> can also be mixed with a registered pre-emergence grass herbicide at its registered rate for increased control of grasses.  <b>Aerial application:</b> Apply as for Ground application above in at least 35 l water / ha.
	16 – 25	170 ml	
	26 – 30*	210 ml *Unless a post-emergence follow-on treatment is intended as per below, in which case apply only 170 ml	
<b>DRY BEANS</b> <i>Phaseolus vulgaris</i> <b>and P. coccineus</b> Pre-emergence followed by post-emergence application	0 – 15	A follow-on application is not recommended on this soil type. Apply only pre-emergence as above.	A follow-on post-emergence treatment can be applied in addition to the pre-emergence application described above. This results in improved control of late-season broadleaf weeds, especially <i>Tagetes minuta</i> . This post-emergence application, however, can only be used on Helderberg, Kamberg, Kranskop, PAN 148, Sabie and Teebus dry bean cultivars.  <b>Ground application:</b> Apply post-emergence in a tankmix with ammonium sulphate and MCW EOS. Use a suitable medium or high volume applicator in at least 200 l of water / ha. Apply this follow-on treatment 2 – 3 weeks after the pre-emergence application. <b>Caution:</b> In crops with high plant populations and compact rows, spray will be prevented from reaching the weeds and soil. This may result in a lowered efficacy but can be alleviated by the correct placing of drop-arm nozzles.  <b>Aerial application:</b> Apply as for Ground application above in at least 35 l water / ha.
	16 – 25	170 ml (pre-emergence) followed by 125 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water	
	26 – 30	170 ml (pre-emergence) followed by 125 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water	
<b>GROUNDNUTS</b> Single pre-emergence application	0 – 15	125 ml	<b>VEZIR® 240 SL</b> can be applied as a single pre-emergence treatment. A follow-up treatment is not recommended. In areas where <i>Tribulus terrestris</i> is a problem, a pre-emergence application of 190 - 210 ml must be used. Please be aware that this higher dosage rate in lighter soils may result in carry-over to the following season.
	16 – 25	170 ml	
	26 – 30	210 ml	

CROP & TREATMENT	CLAY %	DOSAGE RATE / HA	REMARKS
			<p>Apply onto a well-prepared seedbed that is fine, even and firm and without excessive plant rests.</p> <p><b>Ground application:</b> Apply by means of a suitable medium or high volume applicator in at least 200 l of water / ha at planting or within 3 days of planting.</p> <p><b>VEZIR® 240 SL</b> can also be mixed with a registered pre-emergence grass herbicide at its registered rate for increased control of grasses.</p> <p><b>Aerial application:</b> Apply as for Ground application above in at least 35 l water / ha.</p>
<p><b>GROUNDNUTS</b> Single post-emergence application</p>	<p>0 – 15</p> <p>16 – 25</p> <p>26 – 30</p>	<p>A post-emergence application is not recommended on this soil type. Apply only pre-emergence as above.</p> <p>300 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water</p> <p>300 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water</p>	<p>When a pre-emergence treatment is not possible, <b>VEZIR® 240 SL</b> can be applied post-emergence. Ensure, however, that it is either applied pre- or post-emergence and not both since a follow-up treatment is not recommended.</p> <p><b>Ground application:</b> Apply in a tankmix with ammonium sulphate and MCW EOS. Use a suitable medium or high volume applicator in at least 200 l of water / ha. Apply 14 – 25 days after planting of the crop which is when most weeds are 3 – 6 cm tall or at the 1 - 3 leaf stage.</p> <p><b>Caution:</b> In crops with high plant populations and compact rows, spray will be prevented from reaching the weeds and soil. This may result in a lowered efficacy but can be alleviated by the correct placing of drop-arm nozzles.</p> <p><b>Aerial application:</b> Apply as for Ground application above in at least 35 l water / ha.</p>
<p><b>SOYABEANS</b> Single pre-emergence application</p>	<p>0 – 15</p> <p>16 – 25</p> <p>26 – 30*</p>	<p>125 ml</p> <p>170 ml</p> <p>210 ml</p> <p><i>*Unless a post-emergence follow-on treatment is intended as per below, in which case apply only</i></p> <p>170 ml</p>	<p>Apply <b>VEZIR® 240 SL</b> pre-emergence (to crop and weeds) onto a well-prepared seedbed that is fine, even and firm and without excessive plant rests.</p> <p><b>Ground application:</b> Apply by means of a suitable medium or high volume applicator in at least 200 l of water / ha at planting or within 3 days of planting.</p> <p><b>VEZIR® 240 SL</b> can also be mixed with a registered pre-emergence grass herbicide at its registered rate for increased control of grasses.</p> <p><b>Aerial application:</b></p>

CROP & TREATMENT	CLAY %	DOSAGE RATE / HA	REMARKS
			Apply as for Ground application above in at least 35 l water / ha.
<b>SOYABEANS</b> Pre-emergence followed by post-emergence application	0 – 15	A follow-on application is not recommended on this soil type. Apply only pre-emergence as above.	A follow-on post-emergence treatment can be applied in addition to the pre-emergence application described above. This results in improved control of late-season broadleaf weeds, especially <i>Tagetes minuta</i> . This post-emergence application, however, cannot be used on the cultivar, PAN 717.  <b>Ground application:</b> Apply in a tankmix with ammonium sulphate and MCW EOS. Use a suitable medium or high volume applicator in at least 200 l of water / ha. Apply this follow-on treatment 2 – 3 weeks after the pre-emergence application. <b>Caution:</b> In crops with high plant populations and compact rows, spray will be prevented from reaching the weeds and soil. This may result in a lowered efficacy but can be alleviated by the correct placing of drop-arm nozzles.  <b>Aerial application:</b> Apply as for Ground application above in at least 35 l water / ha.
	16 – 25	170 ml (pre-emergence) followed by 125 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water	
	26 – 30	170 ml (pre-emergence) followed by 125 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water	
<b>SOYABEANS</b> Single post-emergence application	0 – 15	A post-emergence application is not recommended on this soil type. Apply only pre-emergence as above.	When a pre-emergence treatment is not possible, <b>VEZIR® 240 SL</b> can be applied post-emergence. A registered pre-emergence grass herbicide should, however, have already been applied.  <b>Ground application:</b> Apply in a tankmix with ammonium sulphate and MCW EOS. Use a suitable medium or high volume applicator in at least 200 l of water / ha. Apply 14 – 25 days after planting of the crop which is when most weeds are 3 – 6 cm tall or at the 1 - 3 leaf stage. <b>Caution:</b> In crops with high plant populations and compact rows, spray will be prevented from reaching the weeds and soil. This may result in a lowered efficacy but can be alleviated by the correct placing of drop-arm nozzles.  <b>Aerial application:</b> Apply as for Ground application above in at least 35 l water / ha.
	16 – 25	300 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water	
	26 – 30	300 ml + 2% ammonium sulphate solution + 500 ml EOS / 100 l water	

**MCW EOS** (Reg. no. L7954) is the registered trade mark of Makhteshim Agan Industries, Israel.

**ALANEX 490 CS** (Reg. no. L6468) is the registered trade mark of Makhteshim Agan Industries, Israel.

**SULTAN 500 SC** (Reg. no. L6892) is the registered trade mark of Makhteshim Agan Industries, Israel.

## WEED SPECTRUM:

The following weeds are normally controlled by **VEZIR® 240 SL** when applied pre-emergence:

<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Chenopodium album</i>	White goosefoot

The following weeds show variable control with **VEZIR® 240 SL** when applied pre-emergence on its own:

<i>Commelina benghalensis</i>	Wandering jew
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Cyperus rotundus</i>	Purple nutsedge
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Common thorn apple
<i>Galinsoga parviflora</i>	Quick weed
<i>Portulaca oleracea</i>	Common purslane
<i>Tagetes minuta</i>	Khaki weed
<i>Tribulus terrestris</i> <sup>1</sup>	Dubbeltjie
<i>Xanthium strumarium</i>	Cocklebur

**Please note:** The control of the above weeds will be increased when **VEZIR® 240 SL** is used in combination with Alanex 480 CS (Reg. no. L6468), Sultan 500 SC (Reg. no. L6892), acetochlor or metolachlor, either as a tank mixture or as a split application. Refer also to the relevant product label for the weeds controlled by other products.

<sup>1</sup>In areas where *Tribulus terrestris* is a problem, a pre-emergence application of 190 - 210 ml **VEZIR® 240 SL** may be used, irrespective of soil type, to give > 80 % control. The waiting periods for follow-on crops, however, may be influenced by this higher dosage rate.

The following weeds are normally controlled by **VEZIR® 240 SL** when applied pre-and post-emergence and in combination with a registered pre-emergence grass herbicide:

<i>Acanthospermum australe</i>	8-Seeded prostrate starburr
<i>Acanthospermum glabratum</i>	5-Seeded prostrate starburr
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Chenopodium album</i>	White goosefoot
<i>Cleome monophylla</i>	Spindlepod
<i>Commelina benghalensis</i>	Wandering jew
<i>Datura ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Common thorn apple
<i>Flaveria bidentis</i>	Smelter's bush
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Nicandra physaloides</i>	Apple of Peru
<i>Physalis angulata</i>	Wild gooseberry
<i>Tagetes minuta</i> <sup>2</sup>	Khaki weed
<i>Triumfetta annua</i>	Burs
<i>Xanthium strumarium</i>	Cocklebur

<sup>2</sup>Fully emerged weeds are well controlled, however, seedlings which emerged after application are only 60 – 70 % controlled.

The following weeds show variable control with **VEZIR® 240 SL** when applied post-emergence on its own.

<i>Bidens pilosa</i>	Common blackjack
<i>Bidens formosa</i>	Cosmos
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Cyperus rotundus</i>	Purple nutsedge
<i>Digitaria sanguinalis</i>	Crab finger grass
<i>Echinochloa colona</i>	Marsh grass
<i>Echinochloa crus-galli</i>	Barnyard grass
<i>Eleusine coracana</i>	Goose grass
<i>Eragrostis curvula</i>	Love grass
<i>Hibiscus trionum</i>	Bladderweed
<i>Ipomoea purpurea</i>	Morning glory
<i>Panicum schinzii</i> <sup>3</sup>	Sweet buffalo grass
<i>Portulaca oleracea</i>	Purslane
<i>Rottboelia chinchinensis</i>	Guineafowl grass
<i>Schukuhria pinnata</i>	Dwarf marigold
<i>Sorghum halepense</i>	Johnson grass
<i>Tribulus terrestris</i>	Devil thorn
<i>Zea mais</i> <sup>4</sup>	Volunteer maize

<sup>3</sup>Plants take longer to die than most other weeds, usually in 4 – 5 weeks, however, they do turn purple within 2 – 3 weeks.

<sup>4</sup>Some maize varieties are tolerant to **VEZIR® 240 SL** and will not be controlled. Contact your supplier for more information.

#### **SELECTION OF MAIZE HYBRIDS:**

##### **a) 10 Month Waiting Period:**

In which the higher rate of 190 - 210 ml / ha **VEZIR® 240 SL** was applied in the previous season for *Tribulus terrestris* control.

PHB 30H22  
PHB 3394  
PHB 35A19  
CRN 3549

This group of maize hybrids is semi-tolerant to Imidazolinone herbicides, and can be planted in areas where the average seasonal rainfall, or more than the average seasonal rainfall, is experienced in the previous season. Do not plant, however, if less than the average rainfall was experienced in the previous season, particularly < 350 mm of rainfall.

##### **b) 10 Month Waiting Period:**

In which the standard registered rate of **VEZIR® 240 SL** was applied in the previous season.

CRN 3414	PHB 30D05
CRN 3505	PHB 30T43
CRN3604	PHB 3203
CRN3631	PHB 32K39
CRN 3760	PHB 32K61
CRN3891	SC 707

CRN4502  
Goldfinger  
Highflyer  
LS 8503  
PAN 6146  
PAN 6233  
PAN 6364

SNK 2147  
SNK 2401  
SNK 2640  
SNK 2776  
SNK 2860  
Woodriver

This second group of semi-tolerant maize hybrids can be planted only where seasonal average rainfall or higher than seasonal average rainfall was experienced in the previous season. If less than the average rainfall was experienced in the previous season, use only the maize hybrids listed in point (a) above.

**c) 20 Month Waiting Period:**

A minimum waiting period of 20 months is recommended in the production areas of the western Free State, the western North-West Province and the northern North-Cape Province for all maize hybrids not listed above. A test planting should still be carried out, however and if there is any doubt, choose a yellow maize hybrid over a white one.