



BRIGADIER 750 WG

Reg. No.: L9218 Act /Wet No. 36 of/van 1947

A water dispersible granular post-emergence herbicide for the control of nutsedge and certain broadleaf weeds in crops as indicated.

'n Water-dispergeerbare korrel na-opkomsonekruiddoder vir die beheervanuintjiesensekere breëblaaronkruid in gewasse soos aangedui.

HRAC HERBICIDE GROUP CODE:	B	HRAC ONKRUIDDODER GROEP KODE:
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ACTIVE INGREDIENT/AKTIEWE BESTANDEEL:

Halosulfuron-methyl (sulfonylurea).....750 g/kg..... halosulfuronmetiel (sulfonielureum)

Manufacture date:
Vervaardigingsdatum:

Batch No.:
Lotnommer:

CONTENTS/INHOUD

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

REGISTRATION HOLDER/ REGISTRASIEHOUER

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U.N. No. 3077



CAUTION
VERSIGTIG



WARNINGS:

- Handle with care.
- Harmful when swallowed.
- May cause slight skin and eye irritation.
- May be harmful to aquatic organisms.
- Store under lock and key in a cool, dry place, away from food, feeds, seed, fertilizer and other agricultural chemicals.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- Should the recommended dosage rate be exceeded, crop damage may result with consequent yield reduction.
- Avoid storage above 35°C.

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. The action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, incompatibility with other substances not indicated on the label, the occurrence of resistance of weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to 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.

Ensure that all staff involved in the handling, storage and application of this product are fully aware of the contents of this label especially the Warnings and Precautions listed below.

PRECAUTIONS:

- Do not inhale spray mist.
- Avoid contact with skin and eyes.
- Wear protective clothing, e.g. rubber gloves, rubber boots and a face mask when handling the product and preparing the spray mixture.
- Wash with soap and water after use and accidental skin contact.
- In case of eye contact, immediately flush the contaminated eyes with gentle flowing water for 20 minutes, occasionally lifting upper and lower lids, until no evidence of chemical remains.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face or changing clothing.
- Avoid drift onto other crops, grazing, rivers, dams or areas not under treatment.
- **Clean applicator after use:** Special attention and care must be taken in cleaning all equipment used in the mixing and application of **BRIGADIER 750 WG** to ensure that damage to other crops is avoided.
 - i) Drain tank completely and flush tank, boom, hoses and nozzles with ample clean water.
 - ii) Drain tank again and fill with clean water.

- iii) Add household ammonia at a rate of 1 litre for every 100 litres of water.
 - iv) Bleed the entire system once again to ensure that the ammonia solution has filled all hoses, boom and nozzles.
 - v) Leave the ammonia solution in the system for approximately 1 hour before draining the tank and pipe system.
 - vi) Repeat steps iii) to v).
 - vii) Nozzles and filters should be removed and placed in an ammonia solution of the above concentration above for at least 1 hour.
 - viii) Contaminated mixing equipment should be washed with ammonia solution and any contamination of the outside of the spraying equipment must be removed with clean water.
- Take care to dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
 - The applicator used should be dedicated to applying herbicides only.
 - Before being disposed of, containers and packages must be completely emptied by shaking out thoroughly into the mixing tank and then destroying the empty container.
 - Do not re-use the empty container for any other purpose.
 - Take active steps to prevent contamination of food, feed, drinking water and eating utensils.

RESISTANCE WARNING:

For resistance management, **BRIGADIER 750 WG** is a group code **B** herbicide. It is possible that any weed population may contain individuals naturally resistant to **BRIGADIER 750 WG** and other group code **B** herbicide. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Such resistant weeds may not be controlled by **BRIGADIER 750 WG** or any other group code **B** herbicide.

To prevent or delay herbicide resistance:

- Avoid exclusive, repeated use of herbicides from the same herbicide group code.
- Alternate or tank mix with products from different herbicide group codes,
- Integrate other forms of control methods (chemical, cultural, biological) into weed control programmes.

For specific information on resistance management contact the registration holder of this product or your local supplier.

- The presence of resistant weeds is difficult to detect prior to use and therefore neither the registration holder nor the distributor can accept responsibility for any losses as a result of **BRIGADIER 750 WG** not controlling resistant weeds.
- Where weed resistance has been confirmed or previously suspected do not apply **BRIGADIER 750 WG** alone but combine with a suitable partner from a different herbicide group codes.
- The directions for use must be accurately followed as sub-standard applications of **BRIGADIER 750 WG** or other ALS inhibitor (group **B**) herbicides will lead to inferior weed control and may promote the development of herbicide resistance.

USE RESTRICTIONS:

- **The following withholding periods must be observed prior to planting follow-up crops after application of BRIGADIER 750 WG:**

Avocado, Citrus, Mangoes, Maize, Grain Sorghum & Wheat:	1 month
Dry beans:	3 months
Potatoes:	6 months
Sunflowers:	13 months
For all other crops, preceded by a test planting in each case.	24 months

- Following the application of **BRIGADIER 750 WG** the waiting periods indicated above must be strictly adhered to so as to avoid potential damage to follow-up crops. A test planting is recommended in all cases.
- Soil moisture has a significant impact on **BRIGADIER 750 WG's** residual action in the soil. For this reason, the withholding periods above are only valid for relatively normal rainfall patterns. It is recommended that these withholding periods should be extended when insufficient rainfall or abnormal distribution thereof is experienced. A test planting is recommended in all cases.
- Do not use **BRIGADIER 750 WG** on experimental or newly released cultivars/varieties without first consulting your supplier or the seed company concerned.
- If **BRIGADIER** is used on soils where the pH (H₂O) is equal to or greater than 7 and/or on soils containing free lime, the residual activity may be extended and crop rotation options will be adversely affected beyond the intervals given.
- The efficacy of **BRIGADIER** may be influenced by the quality of application water. If the sum total of calcium and magnesium in the water exceeds 150 ppm, ammonium sulphate must be added at the rate of 500 g/100 l water.
- Prepare only sufficient spray mixture for immediate use. Unused spray mixture must not be kept overnight and must be discarded in a responsible manner.
- Rain or irrigation within 6 hours of **BRIGADIER 750 WG** application may result in reduced efficacy on emerged weeds.
- Do not use **BRIGADIER 750 WG** where inter-cropping is practiced.
- Do not apply **BRIGADIER** to crops, which are or have been subjected to abnormal environmental, physical, chemical or biological conditions including severe weather, drought, water logging, diseases and insect damage.
- Do not use **BRIGADIER 750 WG** in combination with organophosphate insecticides.
- Yellowing of the funnel leaves and slight stunting of grain sorghum and maize plants may occur if cool, wet weather conditions prevail for some time following application. Plants will normally outgrow these symptoms and yield should not be affected.
- *Cyperus rotundus* (purple nutsedge) may not be effectively controlled by **BRIGADIER 750 WG** in the dry conditions of the North West Province.
- Do not apply **BRIGADIER 750 WG** to any crop not listed on this label as severe damage may result.
- Only apply **BRIGADIER 750 WG** using accurate and safe application techniques including equipment that is well maintained and accurately calibrated.
- Study the label of any products used in a tank mix with **BRIGADIER 750 WG** and apply the stated restrictions applicable to those products.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- The compatibility of **BRIGADIER 750 WG** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used.
- It is possible that formulations may change from time to time. It is therefore recommended that a small scale physical compatibility test be done prior to the tank mixture being made.
- Do not use **BRIGADIER 750 WG** in conjunction with organophosphate insecticides.
- **BRIGADIER** may be applied with METRIBUZIN 480 SC, AMETRYN 500 SC, METOLACHLOR 960 EC, and HEXAZINONE 240 SL in sugarcane.

Mixing Instructions:

- Half-fill the spray tank with water.
- Only use water suitable for irrigation and avoid using water with high levels of chlorine. The efficacy of **BRIGADIER 750 WG** may be influenced by the quality of the spray water. If the sum total of calcium and magnesium in the water exceeds 150 ppm, ammonium sulphate must be added at 500 g per 100 litres water.
- Adjust the water's pH to between 6,7 and 7,5 if necessary.
- Avoid using spray water with resistance lower than 300 ohms and electrical conductivity higher than 1,0 mS/cm.
- Pre-mix **BRIGADIER 750 WG** as follows:
 - Do not handle water soluble bags with wet gloves.
 - Count the number of sachets required according to the number of hectares to be treated and the spray tank capacity.
 - Add the correct number of soluble sachets into a bucket containing at least 10 litres of water and mix thoroughly, ensuring complete disintegration of the bags and complete dispersion of the contents.
- Add the pre-mixture to the water in the half-filled spray tank through a sieve whilst agitating continuously.
- Rinse the pre-mixing bucket with water and pour the rinsings into the spray tank followed by the addition of the recommended quantity of surfactant.
- Finally, add the partner remedy as appropriate.
- Fill the spray tank to the desired volume.
- Should tank mixtures with other agrochemicals be made, follow the respective manufacturers' label instructions and recommendations.
- **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.**
- Spraying equipment must be thoroughly flushed out at the end of the spraying operation as per the method described above.

Application Methods:

- Ensure that the equipment is correctly calibrated and is checked regularly to ensure even and accurate application.

Ground Application:

- Knapsack sprayers or tractor mounted boom sprayers may be used.
- A spray volume of 200 to 400 litres per hectare should be used for ground application and can be

applied via solid- or hollow cone nozzles.

- **Constant agitation throughout the spray operation is essential.**
- Only clean water should be used.
- Prevent overdosing by ensuring that swaths do not overlap and by closing the nozzles when starting, moving slowly, turning and stopping.

APPLICATION RATES:

CROP:	DOSAGE RATE:	TIMING OF APPLICATION:
MAIZE, SUGAR CANE, CITRUS & GRAIN SORGHUM	50 g/ha (1 sachet/ha) PLUS a registered surfactant	Apply in 200 to 400 litres water per hectare. Best weed control will be obtained when application is made to weeds growing actively under stress-free environmental conditions.

REMARKS:

- **BRIGADIER 750 WG** rapidly inhibits the growth of susceptible weeds. Symptoms following spraying may only appear 1 to 3 weeks after application depending on environmental factors, weed susceptibility and tank mix partners.
- Regrowth of *Cyperus spp.* may occur if **BRIGADIER 750 WG** applications are followed by a dry period and then a wet period later in the season.
- Always add a non-ionic surfactant to the spray mixture at its recommended application rate. Failure to use a suitable adjuvant will result in unsatisfactory results.
- Apply **BRIGADIER 750 WG** as recommended above, 3 to 5 weeks after planting of maize when weeds are actively growing under moist, favourable conditions.
- Apply only after most of the nutsedge plants have emerged, but **before flowering**.
New germination/emergence of nutsedge plants may occur if application was done too early. Nutsedge control will not be satisfactory if application is made at flowering.
- **BRIGADIER 750 WG** does not control *Cyperus spp.* pre-emergence and poor control of late germinating weeds can be expected. To control these late germinating weeds a second application may be applied before the crop canopies.
- Broadleaf weeds susceptible to **BRIGADIER 750 WG** should not be bigger than 10 cm in height or beyond the 4-leaf stage.
- In all cases it is essential that weeds receive adequate spray coverage to be completely controlled.
- **BRIGADIER 750 WG** and mixtures will only effectively control listed weeds which are:
 - actively growing at the time of application,
 - not stressed by any unfavourable environmental factors,
 - not overshadowed by other weeds or crop foliage, and
 - in the correct stage of development.
- **BRIGADIER 750 WG** has a limited weed control spectrum on broadleaf weeds and therefore tank mixtures should be applied where broad spectrum weed control is required.
- **BRIGADIER 750 WG** has no effect on grass weeds.

WEEDS CONTROLLED BY BRIGADIER 750 WG (post-emergence):

<i>Bidens pilosa</i>	Blackjack
<i>Cleome monophylla</i>	Spindlepod
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Cyperus rotundus</i>	Purple nutsedge
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Tagetes minuta</i>	Khakiweed

VARIABLE POST-EMERGENCE CONTROL ONLY:

<i>Amaranthus hybridus</i>	Common pigweed
<i>Datura ferox</i>	Large thorn apple
<i>Tribulus terrestris</i>	Dubbeltjie <i>Xanthium</i>
<i>strumarium</i>	Cocklebur

WAARSKUWINGS:

- Hanteer versigtig.
- Skadelik indien ingesluk.
- Mag ligte irritasie van vel en oë veroorsaak.
- Mag skadelik wees vir water-organismes.
- Berg agter slot en grendel in 'n koel droë plek, weg van voedsel, voer, saad, kunsmis en ander landbouchemikalieë.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Herbetreding: Moet nie behandelde gebied betree voor die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.
- As die aanbevole dosis oorskry word, kan gewasskade 'n gevolglike opbrengs tot gevolg hê.
- Moenie bokant 35 °C bêre 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, onverenigbaarheid 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 of registrasiehouer in die geval van enige onsekerheid.

Verseker dat alle persone wat die produk hanteer, stoor of toedien, deeglik kennis dra van die inhoud van die etiket, veral die waarskuwings en voorsorgmaatreëls hieronder.

VOORSORGMAATREËLS:

- Moet nie spuitnewel inasem nie.
- Vermy kontak met vel en oë.
- Dra beskermende klere, soos rubberhandskoene, rubberskoene en gesigskerm wanneer die produk hanteer word en tydens voorbereiding van die spuitmengsel.
- Was met seep en koue water na gebruik en toevallige velkontak.
- In geval van kontak met oë, spoel onmiddellik die gekontamineerde oë uit met sag vloeiende water vir 20 minute, lig bo- en onder ooglede gereeld op, totdat alle chemikalieë verwyder is.
- Was besoedelde klere na gebruik.
- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat die hande en gesig gewas is en ander klere aangetrek is nie.
- Voorkom wegdryf van spuitnewel na ander gewasse, weiveld, riviere, damme en plekke wat nie behandel moet word nie.

Toedieningsapparaat moet deeglik skoon gemaak word na gebruik: Om moontlike skade aan ander gewasse te voorkom, moet spuittoerusting sowel as vermengingsapparaat na toediening met **Brigadier 750 WG** baie deeglik skoon gemaak word.

- i) Dreineer spuittenk en spoel spuittenk, spuitbalk, pype en spuitpunte deeglik uit met genoeg skoon water.
- ii) Maak spuittenk vol met skoon water.
- iii) Voeg huishoudelike ammoniak by teen 'n konsentrasie van 1 liter ammoniak per 100 liter water.
- iv) Bloei die hele sisteem weer om seker te maak dat alle pype, spuitbalk en spuitpunte met die ammoniakoplossing gevul is.
- v) Laat spuitapparaat vir ten minste 1 uur met die ammoniakoplossing staan, voor die sisteem leeggemaak word.
- vi) Herhaal stappe (iii) tot v).
- vii) Spuitpunte en filters moet verwyder word en in 'n ammoniakoplossing teen die konsentrasie van 1 liter ammoniak per 100 liter water vir ten minste 'n uur gedoop word
- viii) Die mengapparaat moet ook gewas word met die ammoniakoplossing, terwyl residue op die buitekant van spuittoerusting met water afgewas moet word.
 - Raak van waswater en ammoniak oplossing ontslae waar dit nie gewasse, weiding, riviere, damme of boorgate sal besoedel nie.
 - Hierdie Spuit apparaat moet net vir onkruidodders gebruik word.
 - Houers en verpakkings moet heeltemal leeg gemaak word, voordat dit vernietig word. Skud deeglik uit oor die mengtenk en vernietig die leë houer.
 - Moet nie die leë houer vir enige ander doel hergebruik nie.
 - Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei.

WEERSTANDSWAARSKUWING:

BRIGADIER 750 WG is 'n groepkode **B** onkruiddoder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **Brigadier 750 WG**, of enige ander groepkode **B** onkruiddoder het. Indien hierdie groepkode **B** onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **BRIGADIER 750 WG** of enige ander groepkode **B** onkruiddoder beheer word nie.

Om weerstand teen onkruidodders te verhoog:

- Vermyn die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende onkruidoddergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruidbeheer programme. Vir spesifieke inligting oor weerstandbestuur kontak die registrasiehouer van hierdie produk.
- Die teenwoordigheid van sulke weerstandbiedende onkruid is moeilik om te bepaal voordat die onkruiddoder toegedien word. Die registrasiehouer en verspreider kan dus nie verantwoordelikheid aanvaar vir enige verliese wat mag voortspruit uit swak onkruidbeheer van weerstandbiedende onkruidtipes nie.

- Waar weerstand bekend is, moet **BRIGADIER 750 WG** nie alleen toegedien word nie. Gebruik 'n tenkmensel met 'n geregistreeerde onkruidoder van 'n ander groepkode.
- Té lae dosisse **BRIGADIER 750 WG** of ander ALS inhibeerder (groepkode **B**) onkruidodders sal lei tot onbevredigende onkruidbeheer wat kan bydra tot die ontwikkeling van onkruidoderweerstand.

GEBRUIKSBEPERKINGS:

Die volgende onthoudingsperiode moet gehandhaaf word voordat enige opvolggewasse geplant word na toediening van BRIGADIER 750 WG:

Avokado, Sitrus, Veselperskes, Mielies, Graansorghum & Koring:	1 maand
Droëbone:	3 maande
Aartappels:	6 maande
Sonneblomme:	13 maande
Vir alle ander gewasse, voorafgegaan deur 'n toetsplanting in alle gevalle:	24 aande

- Om moontlike opvolggewasskade te vermy, moet die bogenoemde wagperiodes nagekom word na toediening van **BRIGADIER 750 WG**. 'n Toetsplanting is aanbeveel in alle gevalle.
- Die residuele aksie van **BRIGADIER 750 WG** in die grond word beïnvloed deur grondvog en daarvoor is die hoeveelheid en die verspreiding van reën van uiterste belang. Vir dié rede is die bogenoemde wagperiodes net geldig indien hoeveelhede en verspreiding van reën normaal is vir die seisoen vanaf toediening van **BRIGADIER 750 WG** tot voor oes. Wagperiodes moet verleng word in instansies van onvoldoende reën of abnormale verspreiding daarvan. 'n Toetsplanting is aanbeveel in alle gevalle.
- Moet nie **BRIGADIER 750 WG** op eksperimentele of nuut vrygestelde kultivars gebruik alvorens die vervaardigers of saadverspreiders geraadpleeg is nie.
- As **Brigadier 750 WG** op grond waar die pH (H₂O) waarde. Gelykaan of meer as 7 is en/of die grong baie vry kalk bevat sal die afbreek van **BRIGADIER 750 WG** vertraag word, en dus verlengde residuele aksie tot gevolg sal hê, en dus die onthoudings periode vir wisselbou verleng wat moontlike skade aan opvolggewasse kan veroorsaak.
- Die effektiwiteit van **BRIGADIER 750 WG** kan deur die gehalte van die water beïnvloed word. As die som total van die kalsium en magnesium in die water 150 dpm oorskrei moet ammonium sulfaat teen 500g per 100 liter water bygevoeg word.
- Maak slegs genoeg spuitmengsel aan vir onmiddellike gebruik. Spuitmengsel moet nie oornag laat staan word nie.
- Reën of besproeiing binne 6 ure na die toediening **BRIGADIER 750 WG**, mag doeltreffendheid op ontkiemende onkruid verlaag.

- Moet nie **BRIGADIER 750 WG** toedien waar die geregistreeerde gewas met enige ander gewas tussen-in die rye geplant is nie.
- **BRIGADIER 750 WG** moet nie toegedien word op gewasse wat aan stremming deur abnormale fisiese, chemiese, biologiese of weer, en groeitoestande, droogte, versuiptoestande, insekskade, aalwurminfeksies, siektes, voedingstekorte ondervind nie.
- Moet nie **BRIGADIER 750 WG** in kombinasie met organofosfaat insekdoders toedien nie.
- Vergeling van kelkblare en geringe verdwerging van graansorghum en mielie plante mag voorkom as koel, nat weerstoestande voortduur na bespuiting. Gewasse sal normaalweg hierdie simptome ontgroeï en opbrengs behoort nie beïnvloed te word nie.
- *Cyperus rotundus* (rooiuintjie) in die droë Noordwesprovinsie sal nie effektiewelik deur **BRIGADIER 750 WG** beheer word nie.
- Moet nie **BRIGADIER 750 WG** toedien op enige gewas of situasie wat nie op hierdie etiket aangedui is nie, want dit kan erger skade veroorsaak.
- Dien **BRIGADIER 750 WG** slegs toe met 'n veilige en akkurate toedieningsmetode wat korrek gekalibreer is om die aanbevole spuit volume toe te dien,
- Indien **BRIGADIER 750 WG** met ander middels in tenkmengsels gebruik word, moet die gebruiksaanwysings van die betrokke produk gevolg word.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

Verenigbaarheid:

- Die verenigbaarheid van **BRIGADIER 750 WG** met ander produkte hang af van die formulering van die betrokke produkte asook die kwaliteit van die water wat gebruik gaan word.
- Formulasies kan moontlik verandering, dus word aanbeveel dat 'n fisiese verenigbaarheidstoets uitgevoer word voordat 'n tenkmengsel gemaak word.
- Moet nie **BRIGADIER 750 WG** saam met organofosfaat insekdoders toedien nie.
- **BRIGADIER 750 WG** is verenigbaar met Metribuzin 480 SC, Ametrien 500 SC, Metolachlor 960 EC en Heksasinoon 240 SL in suikerriet.

Menginstruksies:

- Maak die spuittenk halfvol met geskikte water.
- Gebruik water wat geskik is vir besproeiing en vermy water met hoër klorofiel inhoud. Die effektiwiteit van **BRIGADIER 750 WG** kan beïnvloed word deur die kwaliteit van die spuitwater as die som total van die kalsium en magnesium in die water 150 ppm oorskry moet ammonium sulfaat teen 500g per 100 liter water bygevoeg word
- Buffer die water se pH tot tussen 6,7 en 7,5
- Vermy water met 'n weerstand laer as 300 ohms of 'n geleidingsvermoë bo 1,0 mS/cm.
- Maak 'n voorafmengsel van die benodigde hoeveelheid **BRIGADIER 750 WG**:
- Moet nie die oplosbare sakkies met nat handskoene hanteer nie.

Kies die aantal sakkies benodig volgens die aantal hektare wat behandel moet word en die kapasiteit van die spuittenk.

- Gooi die aantal sakkies in 'n emmer met 10L water en meng om te verseker dat volle disintegrasie van die sakkies en volle dispergering van die inhoud in die water plaasgevind het
- Voeg die vooraf gemengde produk mengsel by die halfvol spuittenk deur 'n sif, terwyl geroer word.
- Spoel die mengemmer uit met water en voeg die waswater in die spuittenk. Voeg die benodigde hoeveelheid benatter in die tenk.
- Voeg laastens die tenkmensel produk wat saam gebruik word, by.
- Maak die spuittenk tot die finale volume vol.
- As tenkmengsels met ander middels gemaak word, moet die etiket van die betrokke vervaardiger se aanbevelings gevolg word.
- Die tenkmensel moet onmiddellik uitgespuit word en nie toegelaat word om oornag in die spuittenk te staan nie.
- Die spuittoerusting moet aan die einde van toediening deeglik uitgewas word soos bo aangedui.

Toedieningsmetodes:

- Maak seker dat die spuittoerusting korrek gekalibreer en goeie werkende toestand en gaan gedurende toediening na om seker te maak dat die toediening egalig en akkuraat is.

Grondtoediening:

- Rugsakspuite of 'n konvensionele trekker met spuitbalk kan gebruik word.
- 'n Totale spuitvolume van 200 tot 400 l /ha moet gebruik word vir grondtoediening en dit kan toegedien word met soliede- of holkeëlsputpunte.
- **Die mengsel moet aanhoudend en deeglik geroer word tydenstoediening.**
- Slegs skoon water moet gebruik word.
- Verhoed oorvleueling van spuitbane en om oortoediening te verhoed moet die spuitpunte afgesluit word wanneer die stelsel aangeskakel, stadig beweeg, draai en tot stilstand kom.

TOEDIENINGSAANBEVEELINGS:

GEWAS	DOSIS	TYD VAN TOEDIENING
MIELIES, SUIKERRIET, SITRUS EN GRAANSORGHUM	50 g/ha (1 sakkie/ha) PLUS byvoegmiddel*	Dien toe in 200 tot 400 liter water per hektaar. Dien toe onder gunstige omgewingstoestande waar onkruid aktief groei.

OPMERKINGS

- Die groei van gevoelige onkruid word vinnig deur **BRIGADIER 750 WG** gehinbeer. Simptome van stremming mag eers na 1 tot 3 weke sigbaar wees afhangend van omgewingstoestand, onkruidvatbaarheid en tenkmengsel produkte.
- Indien **BRIGADIER 750 WG** toedienings gevolg word deur 'n droë periode en dan opgevolg word met 'n nat periode later in die seisoen, mag hergroei van *Cyperus spp.* plaasvind.
- Gebruik byvoegmiddel wat "nie ioniese" bevorderingsmiddel met verspreiding, kleef en penetreerenskappe het, anders kan resulte nie na wense wees nie..
- Dien **BRIGADIER 750 WG** toe soos hierbo aangdui, 3 tot 5 weke na-plant van mielies wanneer onkruid aktief groei onder vogtige en gunstige omgewingstoestand
- Dien eers toe na die meeste van die uintjies opgekom het, maar *Voor Blom*. Nuwe ontkieming/verskyning van uintjies kan later plaasvind as toediening te vroeg plaasgevind het. Beheer sal dan nie na wense wees nie en ook nie as toediening op blommende uintjies plaasvind
- **BRIGADIER 750 WG** beheer nie *Cyperus spp.* voor-opkoms nie en swak beheer van laat ontkiemende onkruid kan verwag word. Om hierdie laat ontkiemende onkruid te beheer kan 'n tweede bespuiting van **BRIGADIER 750 WG** toegedien word voordat die oes rye toemaak
- Breëblaaronkruid moet egter nie groter as 10 cm of verby die 4-blaar stadium wees nie.
- Dit is noodsaaklik dat onkruid deeglik deur die spuitmengsel bedek word om goei beheer te verseker. **BRIGADIER 750 WG** en mengsels daarmee ,sal net gelyste onkruid beheer onder die volgende toestande:
 - I. moet aktief groeiend wees tydens toediening,
 - II. moet nie gestrem wees deur enige ongunstige omgewingstoestand nie,
 - III. moet nie afgeskerm word deur ander onkruid of gewas blare nie, en
 - IV. in die korrekte ontwikkelings stadium wees.
- **BRIGADIER 750 WG** het beperkte aktiwiteit teen breëblaaronkruid en daarom moet tenkmengsels gebruik word indien 'n breër spektrum van onkruid beheer moet word.
- **BRIGADIER 750 WG** het geen werking teen grasonkruid.

ONKRUIDE WAT BEHEER WORD DEUR BRIGADIER 750 WG (na-opkoms):

<i>Bidens pilosa</i>	Knapsekêrel
<i>Cleome monophylla</i>	Spindlepod
<i>Cyperus esculentus</i>	Geeluintjie
<i>Cyperus rotundus</i>	Rooiuintjie
<i>Galinsoga parviflora</i>	Knopkruid
<i>Tagetes minuta</i>	Kakiebos

WISSELVALIGE NA-OPKOMSBEHEER:

<i>Amaranthus hybridus</i>	Gewone misbredie
<i>Datura ferox</i>	Groot stinkblaar
<i>Tribulus terrestris</i>	Dubbeltjie
<i>Xanthium strumarium</i>	Kankerroos