



BITRAD TRIFLIN

Reg. No. L 9340 Act/Wet No. 36 of/van 1947

Read the label before use
Keep out of reach of children and animals

HRAC HERBICIDE GROUP CODE	K1	HRAC ONKRUIDDODERGROEPKODE
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An emulsifiable concentrate selective herbicide for pre-plant soil incorporation to control annual grasses and some broad-leaved weeds in crops as indicated

'n Emulgeerbare konsentraat selektiewe onkruidodder vir ingewerking in grond voor plant om grasse en seker breëblaaronkruide te beheer in gewasse soos aangedui

	Hazard statement Flammable liquid and vapour May be fatal if swallowed and enters (aspiration hazard) Causes skin irritation May cause allergic skin reaction Causes serious eye irritation Suspected of causing cancer Very toxic to aquatic life Precautionary statement Keep container tightly closed Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking
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Danger

Active ingredient / Aktiewe bestanddeel

Trifluralin (dinitroaniline)..... 480 g/l Trifluralin (dinitroaniline)

Net volume / Netto volume

ℓ

Registration holder / Registrasiehouer

BITRAD CONSULTING (PTY) LTD,
Co./Mpy Reg. No. 2002/025636/07
P O Box/Posbus 51454
WIERDA PARK 0149
TEL: 012 666 7331

EMERGENCY NUMBER/ NOODNOMMER: 011 805 2000 / 082 446 8946

Batch No:

Date of manufacture:

Lotnr:

Vervaardigingsdatum:

UN number/VN-nommer: 1993

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BITRAD CONSULTING (PTY) LTD, Co./Mpy Reg. No. 2002/025636/07

P O Box/Posbus 51454, WIERDA PARK, 0149 TEL: 012 666 8945

CAUTION / VERSIGTIG

WARNINGS

• Hazard Statements

Flammable liquid and vapour
May be fatal if swallowed and enters airways (aspiration hazard)
Causes skin irritation and may cause allergic skin reaction
Causes serious eye irritation
Suspected of causing cancer
Very toxic to aquatic life with long lasting effects

- **Re-entry:** Do not enter the treated area before spray deposit has dried or without wearing protective clothing.

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, 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

• Prevention

Read and follow all safety instructions before use
Keep away from heat., hot surfaces, open flames, sparks and other ignition sources. No smoking
Ground/Bond container and receiving equipment. Take precautionary measures against static discharge
Use explosion proof electrical/ventilating and lighting equipment
Avoid breathing fumes or spray mist
Wash hands and face thoroughly after handling. Do not touch eyes
Do not eat, drink or smoke when using this product
Wear protective gloves, clothing, eye and face protection. Contaminated clothing should not be allowed out of the workplace
Avoid release to the environment. Prevent spray drift onto areas not under treatment

• Response

If exposed or concerned, get medical advice. Have label at hand
Specific treatment: See Note to Physician
If Swallowed: Rinse mouth. Get medical help. Do not induce vomiting
If in Eyes: Immediately rinse with water for several minutes. If eye irritation persists, get medical help
If on Skin: Immediately take off clothing. Wash skin with plenty of water. If skin irritation persists, get medical help. Wash contaminated clothing before re-use.
Collect spillage
In case of fire: Use carbon dioxide, dry chemical or water spray to extinguish

- **Storage**

Store locked up in original container.
Store in a cool well - ventilated area away from food and feed

- **Disposal**

Triple rinse empty container three times in the following manner: Invert the empty container over the spray 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 rinsing to the contents of the spray tank.
Dispose of contents or container in accordance with local and national regulations
Thoroughly clean application equipment after use. Dispose wash water where it will not contaminate crops, grazing, rivers and dams.

RELEVANT SUBSTANCES:

Hazardous Component	Weight %
Trifluralin	<50 %
Xylene	<50 %
Ethyl benzene	<10 %
4-(C10-14)Alkyl benzenesulfonic acid, calcium salt	<10 %

FIRST AID:

Refer to guidance as under **Response PRECAUTIONS** above.

No antidote is available. Treat symptomatically and supportively.

NOTE TO PHYSICIAN:

Gastric lavage should be considered within first 2 hours of significant ingestion., as well as activated charcoal. Skin reactions may respond to oral antihistamines and topical steroids

RESISTANCE WARNING

BITRAD TRIFLIN is a member of the dinitroaniline group of herbicides (group K1) with mode of action as inhibitor of microtubule assembly. Some naturally occurring weed biotypes resistant to **BITRAD TRIFLIN** and other microtubule assembly inhibitors (group K1 herbicides) may exist through normal genetic variability in a weed population. These resistant weeds can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by **BITRAD TRIFLIN** or by other group K1 herbicides.

To delay the selection of resistant weeds :

- Integrate tillage or other mechanical control methods (including non-selective herbicides during the fallow period) into weed programmes whenever practical.
- Avoid repeated use of herbicides of the same mode of action groups. Plan crop rotations to allow the use of herbicides from different mode of action groups.
- Maintain herbicide records for each field to prevent repeated use of the same herbicide on the same field.
- Prevent movement of resistant weed seeds and vegetative material to other fields by cleaning harvesting and tillage equipment and by planting clean seed.
- Inspect each land annually to identify the development of resistance early.
- Resistance is only manifested **after** product use. Inspect treated fields shortly after crop germinated, to identify presence of resistant wild oats seedlings as early as possible, to enable post emergence applications with appropriate herbicides.
- If the above-mentioned preventative measures are not strictly adhered to, the registration holder cannot be held responsible should **BITRAD TRIFLIN** fail to control resistant weeds.

Note: Sub-standard applications will lead to unsatisfactory control and assist in the development of resistance.

USE RESTRICTIONS

- The application of **BITRAD TRIFLIN** may lead to a reduction in growth or even dying-off of cotton seedlings which are weakened by soil-borne diseases. The use of a fungicide in the furrow as well as the treatment of seed is strongly recommended to control seedling diseases.
- Where transplanted tomatoes and cabbages are grown in quick rotation (three or more crops per annum) with other crops, only crops not susceptible to **BITRAD TRIFLIN** should be planted as a follow-up crop.
- In addition to the crops mentioned in the table below, the following crops may also be planted directly after a treated field has been harvested: beetroot, castor oil, celery, cruciferae (brassicas), cucurbits, mint, oca, potatoes, safflower and sugar cane. All other crops require a waiting period of at least 12 months between treatment and planting, except for grain sorghum which requires 18 months.
- Under certain conditions **BITRAD TRIFLIN** may damage follow-up susceptible crops, even though applied according to the recommendations.
- Do not use where groundnut cultivars Norden and Harts will be planted.

- Periods of cold weather after planting the crop may lead to phytotoxicity, e.g. in the case of early season plantings.
- **TRIFLIN** should not be used where winter crops other than wheat and barley in the Western Cape will be planted.

MODE OF ACTION:

BITRAD TRIFLIN acts by inhibition of microtubule polymerization, disrupting cell division.

DIRECTIONS FOR USE: Use only as directed.

- **Do not apply by means of an airplane**

COMPATIBILITY

The compatibility of **BITRAD TRIFLIN** with other chemicals are unknown and may be influenced by the formulation of the other products as well as the quality of the dilution water. As formulations change from time to time and it is not possible for Bitrad Consulting (Pty) Ltd to test all possible combinations, it is recommended to carry out a compatibility test on a small scale if tank mixtures are considered. Small quantities of the products to be used, in the correct proportion, should first separately be diluted with water and then mixed together, while constantly stirring, to check for any signs of incompatibility eg. flocculation. Consult the supplier if in doubt.

When **BITRAD TRIFLIN** is used in combination with any other agrochemical, the warnings, precautions and directions for use mentioned on that label of the other agrochemical, must be adhered to.

MIXING INSTRUCTIONS

- Fill the spray tank to half the spray volume required with clean water.
- Start agitating the water and add the required volume of **BITRAD TRIFLIN** to the water in the spray tank.
- Fill the spray tank with clean water to the required spray volume.

APPLICATION

General

- Apply **BITRAD TRIFLIN** by means of a tractor mounted spray boom fitted with fan type nozzles to ensure an even and uniform coverage of the soil surface. Apply in not less than 200 liter of spray mixture per hectare at a low pressure. Calibrate the spray equipment accurately prior to application.
- **BITRAD TRIFLIN** is easily decomposed by ultraviolet radiation and should therefore be incorporated into the soil immediately (within 10 minutes)
- **With treatment in Cereals**, follow the **Ausplow** principle of soil **incorporation to a depth of 5 to 10 cm to prevent a loss in efficacy**. If possible, spraying and incorporation should be carried out simultaneously.
- In the case of ground nuts, incorporate less deeply (depth of 3 to 5 cm), cutting 6 to 10 cm deep.
- Too shallow incorporation and/or uneven mixing with the soil can lead to unsatisfactory weed control.
- It is important that large clods should be broken up and **BITRAD TRIFLIN** is thoroughly mixed with the topsoil as weed seed in untreated clods may germinate unaffected by the herbicide.
- To ensure thorough mixing with soil, disc implements should be drawn at a speed **above 6 km per hour. However – planting speed should not be too fast, to prevent that treated soil of the inter rows, incorporated with product, is thrown onto the the untreated soil of the seeded plant rows.**
- **BITRAD TRIFLIN** has a long residual action and may be applied and incorporated at any convenient time from 2 to 3 weeks before planting time. It also is not leached from the soil, not even under conditions of high rainfall or irrigation.
- **BITRADTRIFLIN** does not control established weeds and therefore it should be applied only as a pre-emergence herbicide to lands which have been cleanly cultivated.
- **Except for the Ausplow incorporation system in Cereals, the best results are obtained with cross cultivation of the soil.**

Use in orchards and vineyards

- As **BITRAD TRIFLIN** is decomposed by ultraviolet radiation it must not be used in orchards or vineyards where it cannot be incorporated or mixed with the topsoil.
- **BITRAD TRIFLIN** may be used when an orchards or vineyard is established provided that the following practices are adhered to:
 - Prior to planting the soil must be thoroughly cultivated to prepare a favourable seedbed.
 - Apply **BITRAD TRIFLIN** as an overall application or in pre-determined planting rows and incorporate immediately into the soil as described under "General" above.
 - When planting holes are made first remove the treated surface layer and place on plastic sheeting. Then carefully make the planting hole to the desired depth. After the young tree or vine is placed in the hole, the subsoil taken out of the hole can be placed around the roots prior to the treated soil is placed back on the surface.
 - Do not put the treated soil in the root zone as this may retard root development.

- Do not use **BITRAD TRIFLIN** in nurseries.

TRIFLIN is not prone to leaching and will thus not leach to the root zone of the planted trees or vines.

APPLICATION TABLE:

CROP	SOIL TYPE % CLAY	WEED CONTROLLED	DOSAGE RATE PER HECTARE	REMARKS
CEREALS Barley & wheat		Ryegrass <i>Lolium spp.</i>	1.5 ℓ	It is recommended to use an Ausplow or similar type planter when planting the grain, as to prevent the BITRAD TRIFLIN coming in dcontact with the planted seed. Do not cultivate the soil after applying BITRAD TRIFLIN prior to planting to avoid contasmiation of the seed with this herbicide. Carefully study the " APPLICATION PARAMETERS ".
GROUNDNUTS Natal Common and other Spanish upright types	0-10 11-20	Refer to " SOME WEED SPECIES NORMALLY CONTROLLED " below	0.75 ℓ* 1.0 ℓ*	Apply before planting and incorporate into soil within 10 minutes of application. The treated fields may be weeded mechanically and tilled lightly during the season without affecting the effectiveness of the applied BITRAD TRIFLIN adversely. Do not use where groundnut cultivars Norden and Harts will be planted.
* The dosage rate per hectare indicated is for overall application of the herbicide. Use accordingly less of the herbicide per hectare where the herbicide per hectare where the herbicide is applied as a band treatment				

SOME WEED SPECIES NORMALLY CONTROLLED:

Grasses

<i>Avena fatua</i>	Wild oats
<i>Lolium spp.</i>	Rye grass
<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Bromus catharticus</i>	Rescue grass
<i>Eleusine coracana</i>	Goosegrass
<i>Poa anual</i>	Goosegrass/Annual bluegrass

Broad-leaved weeds

<i>Chenopodium album</i>	White goosefoot
<i>Polygonum aviculare</i>	Prostrate knotweed

NOTE: Only variable control of *Tribulus terrestris* may be expected. Plants which germinate from a greater depth than the herbicide is incorporated will not be controlled. Tall khaki weed (*Tagetes minuta*) and thorn-apple (*Datura spp.*) are not controlled.

WAARSKUWINGS

- **Gevaarklousules**

Vlambare vloeistof en dampe
Mag dodelik wees indien ingeneem en in die lugweg beland (asemhalingsgevaar)
Veroorsaak velirritasie en mag velallergie veroorsaak
Veroorsaak ernstige oogirritasie
Veroorsaak vermoedelik kanker
Uiters giftig vir waterlewe met langdurige effek

- **Herbetreding:** Moenie die behandelde area betree voordat die spuitlaag droog is of sonder beskermende klere 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 en dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim deur 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 geval van enige onsekerheid.

VOORSORGMAATREËLS:

- **Voorkoming**

Lees en volg alle veiligheidsinstruksies voordat produk gebruik word
Hou weg van hitte, warm oppervlaktes, oop vlamme, vonke en ontbrandingsbronne. Moenie rook nie
Verseker dat houer/toerusting ge-aard is. Tref voorsorg vir statiese ontladings.
Gebruik ontploffingvaste elektriese/ventilasie en beligtingtoerusting.
Voorkom inaseming van dampe en spuitnewel
Was hande en gesig deeglik na hantering. Moet nie oë aanraak nie
Moenie eet, drink of rook terwyl produk gebruik word nie
Dra beskermende handskoene, -oorklere, oog-, en gesig beskerming. Besoedelde klere behoort nie die werksplek te verlaat nie
Voorkom vrystelling in die omgewing. Voorkom dat spuitnewel dryf na areas wat nie behandel word nie

- **Reaksie**

Indien blootgestel of bekommerd, kry mediese advies. Hou etiket beskikbaar
Spesifieke behandeling: Sien Nota aan Geneesheer
Indien Ingesluk: Spoel mond. Kry mediese hulp. Moet nie braking induseer nie
Indien in Oë: Spoel onmiddelik met water vir etlike minute. Indien oogirritasie voortduur, kry mediese hulp
Indien op Vel: Verwyder klere onmiddelik. Was vel met baie water. Indien velirritasie voortduur, kry mediese hulp. Was besoedelde klere voor hergebruik
Versamel gemorsde produk
In geval van brand. Gebruik koolstofdioksied, droeë chemikalieë of water om vuur te blus

- **Storing**

Stoor agter slot en Grendel in oorspronklike houer.
Stoor in koel goed deurlugte area weg van voedsel en voer

- **Wegdoening**

Spoel die leë houer driekeer as volg uit: Keer die leë houer om oor die spuittenk en dreineer vir minstens 30 sekondes nadat die vloeitot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van dié van die houer. Gooi die spoelwater by die inhoud van die spuittenk
Doen weg met inhoud en houer deur te lewer aan goedgekeurde fasiliteite volgens plaaslike en nasionale regulasies
Maak toedieningsapparaat deeglik skoon na gebruik en raak van waswater ontslae waar dit nie gewasse, weiding, riviere en damme sal besoedel nie

BETROKKE PRODUKTE:

Gevaarlike komponente	Massa %
Trifluralin	<50
Xyleen	<50
Etiel benzeen	<10
4-(C10-14)Alkiel benzeensulfoon suur, Kalsium sout	<10

NOODHULP:

Kyk na aanwysings onder **Reaksie VOORSORGMATREËLS** HIERBO.

Geen teenmiddel is beskikbaar nie. Behandel simptome en ondersteunend.

NOTA AAN GENEESHEER:

Maagspoeling mag oorweeg word binne 2 uur na inname, asook geaktiveerde koolstof.

Vel reaksies mag reageer op mondelike antihistamienes en uitwendige steroïdes.

WEERSTANDWAARSKUWING

Vir weerstandsbestuur is **BITRAD TRIFLIN** 'n groepkode K1 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **BITRAD TRIFLIN** of enige ander groepkode K1 onkruidodder het. Indien hierdie onkruidodder herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **BITRAD TRIFLIN** of enige ander groepkode K1 onkruidodder beheer word nie.

Om weerstand teen onkruidodders te vertraag:

- Integreer bewerking of ander meganiese beheermetodes (insluitend nie-selektiewe onkruidodders op onbewerkte lande) in beheerprogramme indien prakties.
- Beperk herhaaldelike gebruik van dieselfde onkruidodder en/of groep met dieselfde werkingsmetode. Beplan wisselbou wat die gebruik van onkruidodders met verskillende werkingmetodes toelaat.
- Hou boek van onkruidodder gebruik op lande om herhaalde gebruik van dieselfde onkruidodder te voorkom.
- Voorkom beweging van weerstandbiedende onkruidsaad en plantmateriaal na ander lande deur stroop - en bewerkingsimplimente skoon te maak en skoon saad te plant.
- Inspekteer elke land jaarliks om weerstandontwikkeling vroeg te identifiseer.
- Weerstand word eers gesien **na** produk gebruik is. Inspekteer behandelde lande kort na gewasontkieming om weerstandbiedende onkruidsaailinge te identifiseer en korrekte na-opkoms onkruidodders te beplan.
- Indien bogenoemde prosesse nie gevolg word nie, kan die registrasiehouer nie verantwoordelik gehou word indien **BITRAD TRIFLIN** nie weerstandbiedende onkruid beheer nie.

Nota: Sub-standaard toedienings kan lei tot onbevredigende beheer en bydra tot weerstandontwikkeling van onkruid.

GEBRUIKSBEPERKINGS

- Die toediening van **BITRAD TRIFLIN** kan daartoe aanleiding gee dat katoensaailinge wat deur grondgedraagde siektes verswak is, se groei belemmer word en dat saailinge doodgaan. Die gebruik van 'n swamdoder in die voor asook die behandeling van saad word sterk aanbeveel om saailingsiektes te beheer.
- Wanneer uitgeplante tamaties en kopkool in vinnige rotasie met ander gewasse verbou word (drie of meer oeste per jaar) moet net gewasse wat nie gevoelig vir **BITRAD TRIFLIN** is nie, as opvolg gewasse geplant word.
- Die volgende gewasse kan, in aanvulling tot die gewasse genoem in onderstaande tabel, ook direk na 'n behandelde land geoes is, geplant word: aartappels, beet, geelwortels, kasterolie, koolgewasse, kruisement, okra, pampoengewasse, seldery, suikerriet, vrugteboom en wilde saffraan. Vir alle ander gewasse is daar 'n wagperiode van ten minste 12 maande tussen toediening en plant, behalwe vir graansorghum waar die wagperiode 18 maande is.
- Onder sekere toestande kan **BITRAD TRIFLIN** gevoelige opvolggewasse beskadig, selfs waar dit volgens aanwysings gebruik word.
- Moet nie toedien waar grondboonkultivars, Norden en Harts, geplant gaan word nie.
- Perodes van koue weer na plant van gewas mag tot gewasskade lei bv. in die geval van vroeëseisoen aanplantings.
- **BITRAD TRIFLIN** moet nie gebruik word waar wintergewasse, behalwe koring en gars, in die Wes-Kaap, geplant sal word nie.

WERKINGSMETODE:

BITRAD TRIFLIN werk deur inhibisie van die mikrotubulêre polymerisasie wat seldeling ontwrig.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

VERENIGBAARHEID

Die verenigbaarheid van **BITRAD TRIFLIN** met ander chemikalieë is onbekend en kan beïnvloed word deur die formulering van ander produkte asook die kwaliteit van die verdunningswater. Aangesien formulering van tyd tot tyd verander en dit vir Bitrad Consulting (Pty) Ltd nie moontlik is om alle kombinasies te toets nie, word aanbeveel om 'n verenigbaarheidstoets op 'n klein skaal te doen indien tenkingsels oorweeg word. Klein hoeveelhede van die produkte wat gebruik gaan word, in die korrekte verhoudings, moet eers afsonderlik vooraf met water gemeng word. Voeg hierdie mengsels dan bymekaar terwyl gedurig geroer word en let dan op vir tekens van onverenigbaarheid bv. flokkulasie. Raadpleeg die verskaffer indien daar enige twyfel bestaan.

Indien **BITRAD TRIFLIN** saam met enige ander landbouchemiese middel gebruik word, moet al die waarskuwings, voorsorgmaatreëls en gebruiksaanwysings, soos aangedui op die etiket van die ander middel, nagekom word.

MENGINSTRUKSIES

- Vul die spuittenk met skoon water tot die helfte van die spuitvolume benodig.
- Skakel die roermeganisme aan en voeg die verlangde volume **BITRAD TRIFLIN** by die water in die spuittenk.
- Voeg dan die Tri-allate 480 EC, wat vooraf met 'n bietjie water gemeng is tot 'n gladde room of egalige emulsie, by.
- Vul die spuittenk met skoon water tot die verlangde spuitvolume.

TOEDIENING

Algemeen

- Dien **BITRAD TRIFLIN** deur middel van 'n trekker gemonteerde spuitbalk toegerus met platwaaiertipe spuitpunte wat 'n eweredige en eenvormige bedekking van die grondoppervlak lewer, toe. Dien tussen 200 en 400 liter spuitmengsel per hektaar teen lae druk toe. Kalibreer spuittoerusting noukeurig voor toediening.
- **BITRAD TRIFLIN** word maklik deur ultravioletbestraling afgebreek en moet dus onmiddellik (binne 10 minute) na toediening tot 'n diepte van 5 tot 10 cm in grond ingewerk word om verlies aan doeltreffendheid te voorkom. Stel skotteleg tot 'n diepte van 10 tot 15 cm. Indien moontlik, moet bespuiting en inwerking gelyktydig plaasvind.
- In die geval van grondbone, werk vlakker in (tot diepte van 3 tot 5 cm), en sny 6 tot 10 cm diep.
- Te vlak inwerking in en/of onegalige menging met grond kan wisselvallige onkruidbeheer lei.
- Dit is belangrik dat groot kluite opgebreek en **BITRAD TRIFLIN** deeglik met die bogrond gemeng word aangesien onkruidsaad in die onbehandelde kluite, ongeaffekteer deur die onkruiddoder kan ontkiem.
- Ten einde deeglike menging met grond te verseker, moet skottelêe teen 'n snelheid van tussen 7,5 en 10 km per uur getrek word.
- **BITRAD TRIFLIN** het 'n lang nawerking en kan enige tyd wat gerieflike is, tussen 2 tot 3 weke voor planttyd, toegedien en ingewerk word. Dit loog ook nie uit grond uit nie, selfs nie onder toestande van hoë reënval en besproeiing nie.
- **BITRAD TRIFLIN** beheer nie gevestigde onkruid nie en moet dus slegs as 'n voor-opkmonkruiddoder op landerye wat skoon bewerk is, toegedien word.
- Vir die beste resultate is kruisbewerking van die grond noodsaaklik.

Die gebruik van TRIFLIN in vrugteboorde en wingerde

- Omdat **BITRAD TRIFLIN** deur ultravioletbestraling afgebreek word, moet dit nie in boorde of wingerde gebruik word waar dit nie ingewerk of met die bogrond gemeng kan word nie.
- **TRIFLIN** kan, wanneer 'n boord of wingerde gevestig word, gebruik word mits die volgende praktyke toegepas word:
 - Voor aanplant moet die grond deeglik bewerk word om 'n gunstige saadbed voor te berei.
 - Dien **BITRAD TRIFLIN** breedwerpig of in vooraf bepaalde plantrye toe en meng onmiddellik met bogrond soos onder "Algemeen" hierbo aangegee word.
 - Wanneer plantgate gemaak word, skep eers die boonste laag behandelde grond af en plaas op 'n plastiekse seil. Grawe dan die plantgat versigtig tot verlangde diepte. Nadat die boompie of wingerdstok in die plantgat geplaas is, vul eers die plantgat rondom die wortels met die ondergrond voordat die behandelde grond weer bo-op die oppervlak teruggeplaas word.
 - Moenie behandelde grond in die wortelsone plaas nie, dit kan wortelontwikkeling strem.
 - Moet nie **BITRAD TRIFLIN** in kwekerye gebruik nie.

BITRAD TRIFLIN is nie geneig om uit grond uit te loog nie en sal dus nie na die wortelsone van die geplante boompies of wingerdstokke loog nie.

TOEDIENINGSTABEL:

GEWAS	GRONDTIEPE % CLAY	ONKRUID BEHEER	DOSIS PER HEKTAAR	OPMERKINGS
KLEINGRAAN Gars & Koring		Raaigras <i>Lolium spp.</i>	1.5 ℓ	Die gebruik van 'n Ausplow, of soortgelyke planter, word aanbeveel om te voorkom dat die graansaad in kontak kom met BITRAD TRIFLIN . Moet nie die grond bewerk na toediening van BITRAD TRIFLIN en plant van saad nie. Volg die " TOEDIENING PARAMETERS " noukeurig.
GRONDBONE Natal Common en ander Spaanse regop tiepes	0-10 11-20	Verwys na " SEKERE ONKRUID- SPECIES NORMAALWEG BEHEER " hieronder	0.75 ℓ* 1.0 ℓ*	Dien toe voor plant en inkorporeer produk in grond binne 10 minute na toediening. Behandelde lande mag liggies meganies bewerk word vir onkruidbestryding gedurende groeiseisoen, sonder om die effektiwiteit van BITRAD TRIFLIN negatief te beïnvloed. Moet nie gebruik waar grondboonkultivars Norden en Harts geplant gaan word nie.
* Die dosis per hektaar aangedui - is vir breedwerpige toediening met onkruidodder. Gebruik dienooreenkomstig minder onkruidodder per hektaar indien bandtoediening gedoen word.				

SEKERE ONKRUIDSPECIES NORMAALWEG BEHEER:
Grasse

<i>Avena fatua</i>	Wilde hawer
<i>Lolium spp.</i>	Raaigras
<i>Brachiaria eruciformis</i>	Litjiesinjalgras
<i>Bromus catharticus</i>	Reddingsgras
<i>Eleusine coracana</i>	Jongosgras
<i>Poa anual</i>	Wintergras

Breëblaar onkruiide

<i>Chenopodium album</i>	Wit hondebossie
<i>Polygonum aviculare</i>	Voël duisendknoop

NOTA: Onkruiide wat dieper ontkiem as die vlak wat onkruidodder inkorporeer is in die grondvlak, sal nie beheer word nie.

Lang kakiebos (*Tagetes minuta*) en Stinkolieboom (*Datura spp.*) word nie beheer nie.