

Duett® Ultra

Reg. No. L9278

Act No. 36 of 1947

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

GROUP	1	3	FUNGICIDES
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A suspension concentrate fungicide, for the control of fungal diseases, as listed, on groundnuts maize and wheat.

'n Suspensiekonsentraat-swamdoder vir die beheer van swamsiektes, soos aangedui, op grondbone, mielies en koring.

Suspected of causing cancer.
Suspected of causing genetic defects.
Suspected of damaging fertility. Suspected of damaging the unborn child.
Harmful if swallowed or if inhaled.
Very toxic to aquatic life with long lasting effects.
Wear protective gloves, protective clothing and eye protection or face protection.
Do not breathe the mist or vapour.



Active ingredients / Aktiewe bestanddele:

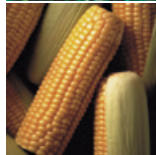
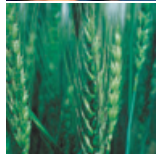
Epoxiconazole (triazole) 187 g/l
Thiophanate-methyl (benzimidazole) 310 g/l

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

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

EMERGENCY NUMBER / NOODNOMMER: +27 82 446 8946



® = Registered trademark of BASF / Geregistreerde handelsmerk van BASF

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WARNINGS**Hazard Statements**

- Suspected of causing cancer.
- Suspected of causing genetic defects.
- Suspected of damaging fertility. Suspected of damaging the unborn child.
- Harmful if swallowed or if inhaled.
- Very toxic to aquatic life with long lasting effects.

ALLOW THE FOLLOWING NUMBER OF DAYS BETWEEN LAST APPLICATION AND HARVESTING OR GRAZING:

Groundnuts	56
Maize	60
Wheat	60

- Handle with care.
- Keep out of reach of children, uninformed persons and animals.
- Store away from food and feed.

Aerial application:

- Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings.

Although this remedy has been tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors, such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease 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, harm to man or animal, or for lack of performance of the remedy concerned, due to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

Precautionary Statements

- If medical advice is needed, have product container or label at hand.
 - Keep out of reach of children.
 - Read carefully and follow all instructions.
 - Wear protective gloves, protective clothing and eye protection or face protection.
 - Use only outdoors or in a well-ventilated area.
 - Obtain special instructions before use.
 - Do not breathe the mist or vapour.
 - Do not handle until all safety precautions have been read and understood.
 - Do not eat, drink or smoke when using this product.
 - Wash contaminated body parts thoroughly after handling.
 - Call a POISON CENTRE or physician if you feel unwell.
 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - IF exposed or concerned: Get medical attention.
 - Rinse mouth.
 - Collect spillage.
 - Store locked up.
 - Dispose of contents and container to hazardous or special waste collection point.
- Prevent spray drift onto other crops, grazing, rivers and dams and areas not under treatment.
 - TRIPLE RINSE empty containers in the following manner: 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 rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
 - Clean applicator after use and do not contaminate crops, grazing, rivers and dams with wash water.
 - Destroy empty container and never use for any other purpose.
 - Prevent contamination of food, feed, drinking water and eating utensils.

RELEVANT SUBSTANCES

Hazardous ingredients According to UN GHS criteria	CAS number	Concentration (W/W)
thiophanate-methyl (ISO)	23564-05-8	26,27 %
epoxiconazole(ISO); (2RS,3SR)-3-(2-(4-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane	133855-98-8	15,85 %
Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt	102980-04-1	< 3 %
Propane-1,2-diol	57-55-6	< 10 %

FIRST AID TREATMENT

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

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

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

RESISTANCE WARNING

For resistance management Duett® Ultra is a FRAC Group Codes 3 and 1 fungicide. Any fungal population may contain individuals naturally resistant to Duett® Ultra and other Group Codes 3 and 1 fungicides. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly and exclusively in programmes. These resistant fungi may not be controlled by Duett® Ultra or any other group codes 3 and 1 fungicides.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same Fungicide Group Code. Alternate or tank-mix with products from different Fungicide Group Codes.
- For tank mixing or alternation with products in unrelated Fungicide Group Codes refer to applicable individual product labels.
- Integrate other control methods (chemical, cultural, biological), into disease control programmes.

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

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

Compatibility:

It is recommended that the compatibility of **Duett® Ultra** with other herbicides, insecticides and acaricides, have to be tested on a small scale, before used in spray mixtures.

DO NOT use any additional wetters, spreaders or other adjuvants as **Duett® Ultra** has already been formulated with optimised amounts of surfactants. The only exception is a flowable (50%) high quality ammonium sulphate in regions where water quality is known to be poor, to ameliorate the water before adding **Duett® Ultra**.

Application instructions:

This product is not recommended for knapsack application.

Mixing instructions:

Half fill the tank with clean water. Measure the required quantity of **Duett® Ultra** and pre-mix this with at least 10 ℓ water. Add this mixture to the water in the spray tank, while agitating the mixture. Fill the spray tank with water, while maintaining agitation, to ensure thorough mixing of the spray mixture before spraying commences. Maintain agitation during the whole spraying operation. Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Aerial application:

Aerial application of **Duett® Ultra** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 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 spray mixture volume of 30 – 40 ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aurally at a lower volume rate than recommended above.
- **Droplet coverage:** 50 – 70 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 250 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 – 4 metres above the target. Do not spray when aircraft dives, is in a climb, or when banking
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 – 75% of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80% and above) may lead to the following:
 - Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - Damage to other sensitive crops and/or non-target is as 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.

All spray applications must be made with suitable equipment, that is in good working order and correctly calibrated, to give the desired coverage for that particular method of application.

CROP	DISEASE	DOSAGE m/ha	DIRECTIONS FOR APPLICATION
GROUNDNUTS	<p>Early leaf spot (<i>Cercospora arachidicola</i> and <i>C. personata</i>)</p> <p>Leaf blotch/Web spot (<i>Phoma arachidicola</i>)</p> <p>Rust (<i>Puccinia arachidis</i>)</p>	400	<p>Duett® Ultra is recommended in an integrated disease management programme. Consistent and reliable disease control is dependent on timely fungicide applications.</p> <p>Apply the first application of Duett® Ultra at the onset of disease development (first infection noticed on the basal leaves). A second application of Duett® Ultra is recommended two weeks later. If extended disease control is required under continued high disease pressure conditions, a third application with a registered fungicide, belonging to another FRAC Group Code, is recommended two weeks later</p> <p>Ground application: Apply in 300 – 500 ℓ water/ha.</p> <p>Aerial application: Apply in 30 – 40 ℓ water/ha.</p>
MAIZE	<p>Common Rust (<i>Puccinia sorghii</i>)</p> <p>Grey leaf spot (<i>Cercospora zeina</i>)</p> <p>Northern leaf blight (<i>Exserohilum turcicum</i>)</p>	800	<p>Treat maize when disease symptoms are first observed on the basal 4 – 5 leaves, or before infection level reaches 5 % leaf blight. Shorter effective control may result if maize is treated before or after the above stage. A second application, 3 – 4 weeks after the first application, may be necessary in cases where the first spray was applied during an early development stage of the crop.</p> <p>Duett® Ultra can be used successfully in a programme, as a follow-up treatment, to Abacus® (L8048) and Abacus® Advance (L9132). Refer to the applicable labels.</p> <p>Ground application: Apply in 200 – 500 ℓ water/ha.</p> <p>Aerial application: Apply in at least 40 ℓ water/ha.</p>
WHEAT	<p>Brown/Leaf rust (<i>Puccinia tritica</i>)</p> <p>Powdery mildew (<i>Erysiphe graminis</i>)</p> <p>Speckled leaf blotch and Glume blotch (<i>Septoria tritici</i>, and <i>S. nodorum</i>)</p> <p>Stem rust (<i>Puccinia graminis</i>)</p> <p>Yellow rust/Stripe rust (<i>Puccinia striiformis</i>)</p>	550	<p>Commence spraying at first sign of infection, but not later than the flag leaf emergence. Apply a second application 3 – 5 weeks later, if high disease pressure occurs.</p> <p>Duett® Ultra can be used successfully in a programme, as a follow-up treatment to Abacus® and Abacus® Advance. Refer to the applicable labels.</p> <p>Ground application: Apply in 200 – 400 ℓ water/ha.</p> <p>Aerial application: Apply in 30 – 40 ℓ water/ha.</p>

CONDITIONS OF SALE AND WARRANTY

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

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

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

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

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

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

Duett®, **Abacus® Advance** and **Abacus®** are Registered Trademarks of BASF.

WAARSKUWINGS

Gevaarverklarings

- Vermoede dat dit kanker veroorsaak.
- Vermoede dat dit genetiese defekte veroorsaak.
- Vermoede dat dit vrugbaarheid of die ongebore kind beskadig.
- Skadelik indien ingesluk of ingeasem.
- Baie giftig vir waterlewende organismes met langdurige gevolge

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

Grondbone	56
Koring	60
Mielies	60

- Hanteer versigtig.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Bêre weg van kos en voer.

Lugtoediening:

Verwittig en waarsku alle inwoners in die onmiddellike gebied van die beoogde toedienings en reik die nodige waarskuwings uit.

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

VOORSORGMAATREËLS

Voorsorgverklarings

- Indien mediese advies nodig word, hou die produkhouer of -etiket byderhand.
 - Hou buite bereik van kinders.
 - Lees sorgvuldig en volg alle instruksies.
 - Dra beskermende handskoen, beskermende klere en oogbeskerming of gesigbeskerming.
 - Gebruik slegs buitenshuis of in 'n goed geventileerde area.
 - Verkry spesiale instruksie voor gebruik.
 - Moenie spuitstof of dampe inasem nie.
 - Moenie hanteer voordat alle voorsorgmaatreëls gelees en verstaan is nie.
 - Moet nie eet, drink of rook wanneer hierdie produk gebruik word nie.
 - Was besmette liggaamsdele deeglik na gebruik.
 - Skakel 'n GIFBEHEERSENTRUM of geneesheer indien u siek voel.
 - INDIEN INGEASEM: Neem slagoffer na vars lug en hou gemaklik vir asemhaling.
 - INDIEN blootgestel of besorg: Kry mediese hulp.
 - Spoel mond uit
 - Maak stortsel bymekaar.
 - Berg agter slot en grendel
 - Raak ontslae van inhoud en houër deur na 'n gevaarlike- of spesiale-afval insamelsplek te besorg.
- Verhoed wegdrywing van spuitnewel na ander gewasse, weivelde, riviere en damme en areas nie onder bespuiting nie.
 - SPOEL LEË HOUER DRIË KEER AS VOLG: Keer die leë houër oor die spuit of mengtenk om en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verminder het Spoel daarna die leë houër drie keer na mekaar met een kwart van die houervolume vars water en giet die spoelwater in die spuitenk of mengtenk oor Kap gate in die drie keer gespoelde houër waarna dit aan 'n goedgekeurde versamelaar of verwerker oorhandig moet word (www.croplife.co.za) Moet nie die houër begrawe, verbrand of aan enige ander partye skenk wat dit as houër vir voedsel of drinkgoed mag gebruik nie.
 - Maak toedieningsapparaat skoon na gebruik en moenie gewasse, weivelde, riviere of damme met die waswater besoedel nie.
 - Vernietig leë houër en moet nooit vir enige ander doel gebruik nie.
 - Vermoë besoedeling van voedsel, voer, eetgerei en drinkwater.

RELEVANTE STOWWE

Gevaarlike bestanddele Volgens UN GHS kriteria	CAS nommer	Konsentrasie (W/W)
thiophanate-methyl (ISO)	23564-05-8	26,27 %
epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane	133855-98-8	15,85 %
Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt	102980-04-1	< 3 %
Propane-1,2-diol	57-55-6	< 10 %

NOODHULPBEHANDELING

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

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

Behandeling: Behandel, 5 volgens simptome (dekontaminasie, lewensbelangrike funksies), geen bekende spesifieke teenmiddel nie.

WAARSKUWING TEEN WEERSTAND

Duett® Ultra is 'n FRAC Groepkodes 3 en 1 swamdoder. Enige populasie van 'n spesifieke swam mag individue insluit wat 'n natuurlike weerstand teen Duett® Ultra, of enige ander Groepkodes 3 en 1 swamdoders het. Indien hierdie swamdoders in herhaaldelike en eksklusiewe programme aangewend word, kan die weerstandbiedende individue uiteindelik die swampopulasie oorheers. Hierdie weerstandbiedende swamme sal waarskynlik nie deur Duett® Ultra of enige ander Groepkodes 3 en 1 swamdoders, beheer word nie.

Om weerstand teen swamdoders te vertraag:

- Verminder die eksklusiewe herhaaldelike gebruik van swamdoders in dieselfde Swamdodergroepkode. Wissel af met, of gebruik tenkmengels van produkte in verskillende Swamdodergroepkodes.
- Sien toepaslike individuele produketikette wanneer daar afgewissel word, of tenkmengels gebruik word, met produkte in ander Swamdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies), in swamdoderprogramme.

VIR SPESIEFIE INLIGTING OOR WEERSTANDBESTUUR, KONTAK DIE REGISTRASIEHOUER, BASF SA (Edms) Bpk.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS VOORGESKRYF

Verenigbaarheid:

Dit word aanbeveel dat **Duett® Ultra** eers met ander onkruidodders, insekdoders en mytdoders op 'n klein skaal getoets word, voordat dit 'n spuitmengsel gebruik word.

MOENIE addisionele benatters, verspreiders of ander byvoegmiddels saam met **Duett® Ultra** gebruik nie, siende dat dit alreeds met die optimale hoeveelheid byvoegmiddels geformuleer is. Die enigste uitsondering is 'n vloeibare (50%) hoë kwaliteit ammoniumsulfaat, in streke waar dit bekend is dat die waterkwaliteit swak is, as 'n versagter van die water, voordat **Duett® Ultra** bygevoeg word.

Toedieningsinstruksies:

Toediening met rugsakspuit word nie aanbeveel nie.

Menginstruksies:

Maak die spuitenk halfvol met skoon water. Meet die benodigde hoeveelheid **Duett® Ultra** af en meng dit vooraf met minstens 10 l water. Voeg hierdie mengsel by die water in die spuitenk, terwyl die mengsel geroer word. Vul die spuitenk met water, terwyl daar nog steeds geroer word, ten einde deeglike vermenging van die spuitmengsel te verseker, alvorens daar begin word met bespuiting. Handhaaf roering gedurende die hele spuitproses. Aangemaakte spuitmengsel moenie in die spuitenk gelaat word vir enige bepaalde tydperk, bv. oornag, nie.

Lugtoediening:

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

- **Volume:** 'n Spuitmengselvolume van 30 – 40 l per ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- **Druppelbedekking:** 50 – 70 druppels per cm² moet op die teikenarea herwin word.
- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 250 mikron word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikron (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- **Vlieghoogte:** Handhaaf die hoogte van die spuitbalk bo die teiken op 3 – 4 meter. Moenie spuit wanneer die vliegtuig duik, uitklim of draai nie.
- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binste 60 – 75% van die vlerkspan om te verhoed dat druppels binne-in die vlerkpuntvorteks beweeg.
- Die verskil in temperatuur tussen die nat- en droëboltermometer van 'n swaaihigrometer, moenie 8°C oorskry nie.
- Stop bespuiting indien die windspoed 15 km/uur oorskry.
- Stop bespuiting tydens turbulente, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80% en meer) mag tot volgende probleme aanleiding gee:
 - Verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - Skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

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

GEWAS	SIEKTE	DOSIS m/ha	GEBRUIKSAANWYSINGS
GRONDBOONTJIES	Vroeë Blaarvlek (<i>Cercospora spp.</i>) Spatselvlek (<i>Phoma arachidicola</i>) Roes (<i>Puccinia arachidis</i>)	400	Duett® Ultra word in 'n geïntegreerde beheer-program aanbeveel. Bestandige en betroubare siektebeheer is afhanklik van voorbehoedende swamdodertoedienings. Dien die eerste Duett® Ultra bespuiting toe, met die aanvang van die siekteontwikkeling (eerste infeksie op die laagste blare opgelet). 'n Tweede toediening van Duett® Ultra , word twee weke later aanbeveel. Indien verlengde siektebeheer benodig word, met hoë siektedruk, word 'n derde bespuiting aanbeveel, twee weke later met met 'n geregistreerde swamdoder wat aan 'n ander FRAC Groepkode behoort. Grondtoediening: Dien in 300 – 500 ℓ water/ha, toe. Lugtoediening: Dien in 30 – 40 ℓ water/ha, toe.
KORING	Vaalblaar en Bruinaarsiekte (<i>Septoria tritici</i> en <i>S. nodorum</i>) Bruinroes (<i>Puccinia triticina</i>) Stamroes (<i>Puccinia graminis</i>) Poerieragtige skimmel (meeldou) (<i>Erisiphe graminis</i>) Geelroes (Streeproes) (<i>Puccinia striiformis</i>)	550	Begin spuit sodra infeksie-simptome waargeneem word, maar nie later as die ontwikkeling van die vlagblaar nie. Indien 'n hoë infeksiedruk voorkom, moet 'n tweede bespuiting, 3 – 5 weke later toegedien word. Duett® Ultra kan suksesvol gespuit word in 'n program, as 'n opvolgbehandeling, na Abacus® en Abacus® Advance . Verwys na die toepaslike etikette. Grondtoediening: Dien in 200 – 400 ℓ water/ha, toe. Lugtoediening: Dien in 30 – 40 ℓ water/ha, toe.
MIELIES	Roes (<i>Puccinia sorghi</i>) Grysblaarvlek (<i>Cercospora zeina</i>) Noordelike blaarskroei (<i>Exserohilum turcicum</i>)	800	Behandel mielies wanneer die eerste simptome op die onderste 4 – 5 blare waargeneem word, of voor infeksievlakke 5% blaar-skroei bereik. Indien mielies voor- of na bogenoemde stadium behandel word, sal korter doeltreffende beheer die resultaat wees. 'n Tweede bespuiting, 3 – 4 weke na die eerste toediening, mag nodig wees, in gevalle waar die eerste bespuiting in 'n vroeë ontwikkelingsstadium van die gewas, toegedien was. Duett® Ultra kan suksesvol gespuit word in 'n program, as 'n opvolgbehandeling, na Abacus® (L8048) en Abacus® Advance (L9132). Verwys na die toepaslike etikette. Grondtoediening: Dien in 200 – 500 ℓ water/ha, toe. Lugtoediening: Dien in ten minste 40 ℓ water/ha toe.

VERKOOPSVORWAARDES EN WAARBORG

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

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

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

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

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

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

Duett®, **Abacus® Advance** en **Abacus®** is Geregistreerde Handelsmerke van BASF.

BASF

We create chemistry

Duett® Ultra

Reg. No. L9278

Act No. 36 of 1947

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

GROUP	1	3	FUNGICIDES
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A suspension concentrate fungicide, for the control of fungal diseases, as listed, on groundnuts maize and wheat.**'n Suspensiekonsentraat-swamdoder vir die beheer van swamsiektes, soos aangedui, op grondbone, mielies en koring.**

Suspected of causing cancer.
 Suspected of causing genetic defects.
 Suspected of damaging fertility. Suspected of damaging the unborn child.
 Harmful if swallowed or if inhaled.
 Very toxic to aquatic life with long lasting effects.
 Wear protective gloves, protective clothing and eye protection or face protection.
 Do not breathe the mist or vapour.

**Active ingredients / Aktiewe bestanddele:**

Epoxiconazole (triazole) 187 g/l
 Thiophanate-methyl (benzimidazole) 310 g/l

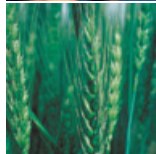
Registered by:

BASF South Africa (Pty) Ltd
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 +27 11 203 2400

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

EMERGENCY NUMBER / NOODNOMMER: +27 82 446 8946**5** l

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