

Read the label carefully before opening

Main Panel

For further information see attached pamphlet
Vir verdere inligting sien aangehegte pamflet

Bladbuff® 7

Reg. No. L 8121, Act No. 36 of 1947/Reg. Nr. L8121, Wet Nr. 36 van 1947
Namibian Reg. No. N-AR 0823 / Namibiese Reg. Nr N-AR 0823
Botswana: Reg. No. W 130555, Act No. 18 of 1999

A water quality improving agent containing wetting and spreading agents, humectants and acidifiers with a built-in pH indicator for use with contact and systemic pesticides, fungicides, herbicides and foliar feeds.

'n Waterkwaliteitverbeteringsmiddel wat benatting-, verspreiding- en versuringseienskappe asook 'n pH indikator besit vir die gebruik saam met sistemiese- en kontak plaagbeheermiddels, swamdoders, onkruiddoders en blaarvoedings.

ACTIVE INGREDIENTS / AKTIEWE BESTANDDELE:

Wetting agents
Spreading agents
Acidifier
pH indicator

600 g/ℓ

Benattingsmiddels
Verspreidingsmiddels
Versuurder
pH indikator



REGISTRATION HOLDER / REGISTRASIEHOUER:

Nulandis® (A division of AECI Limited) / Nulandis® ('n Afdeling van AECI Beperk)

Reg. No. / Nr. 1924/002590/06

P.O. Box / Posbus 14418

Witfield, 1467

Tel : (011) 823 8000

www.nulandis.com

Bladbuff® 7 is the registered trademark of AECI Limited (Nulandis® a division of AECI Ltd)/is die geregistreerde handelsmerk van AECI Beperk (Nulandis® 'n afdeling van AECI Bpk)

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL 0861555777 / 0824468946

Net Volume



Netto Volume

Batch Number

Date of manufacture

UN No. /VN. Nr. 1805 : Phosphoric acid

Lotnommer:

Vervaardigingsdatum:



**CAUTION
VERSIGTIG**



BLADBUFF® 7

Reg. No. L 8121, Act No. 36 of 1947
Namibian Reg. No. N-AR 0823
Botswana Reg. No. W 130555, Act No. 18 of 1999

A water quality improving agent containing wetting and spreading agents, humectants and acidifiers with a built-in pH indicator for use with contact and systemic pesticides, fungicides, herbicides and foliar feeds.

ACTIVE INGREDIENTS

600 g/ℓ

WETTING AGENTS (Nonyl phenol free)
SPREADING AGENTS (Nonyl phenol free)
ACIDIFIER
pH INDICATOR

REGISTRATION HOLDER :

Nulandis® (A division of AECL Limited)

Reg. No. 1924/002590/06

P.O. Box 14418

Witfield, 1467

Tel : (011) 823 8000

CAUTION

WARNINGS:

The addition of **Bladbuff 7** to spray mixtures containing certain copper fungicides, particularly oxychlorides, is not recommended, due to the possibility of phytotoxicity.

Avoid prolonged contact with concentrate. Eye irritation may be caused.

Bladbuff 7 is corrosive and should not be stored in metal containers.

Keep out of reach of children, uninformed persons and animals.

Store away from food and feeds.

ALTHOUGH THIS ADJUVANT 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 CLIMATIC AND STORAGE CONDITIONS; QUALITY OF DILUTION WATER, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL 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 ADJUVANT CONCERNED DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTIONS OR 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:

Wear protective goggles and rubber gloves when handling the concentrate.

In case of contact with eyes, flush immediately with water for at least 15 minutes. Prevent contamination of food, feed, drinking water and eating utensils. When empty, rinse container three times with a volume of water equal to at least 10% of that of the container and add the rinsings to the content of the spray tank before disposing of the container. Destroy empty containers and do not use for any other purpose.

Bladbuff 7 is an adjuvant containing a combination of non ionic and anionic components and is suitable for ground and aerial applications.

Bladbuff 7 reduces and buffers the pH of the spray solution.

Contains a unique pH indicator which turns the colour of the spray water pink upon reaching the optimum pH range of 4,5 - 5,0.

Has excellent wetting and spreading properties which improve pesticidal performance (especially herbicides) and reduces the possibility of phytotoxicity.

Improves cuticular penetration and uptake of systemic pesticides and foliar nutrient sprays.

Prevents rapid hydrolysis (degradation) of alkaline sensitive pesticides such as organophosphates, carbamates, synthetic pyrethroids and chlorinated hydrocarbons.

Improves the compatibility of emulsifiable concentrates with foliar nutrient products.

Neutralises certain dissolved salts and decreases the E.C. (Electrical Conductivity) of hard spray waters up to the optimal pH range.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

DO NOT EXCEED 300 ml / 100 l WATER WHEN USED ON CUCUMERS, MELONS, WATERMELONS, ROSES AND TOBACCO

The pH and hardness of spray solutions may have a negative effect on the persistence and ultimate performance of contact and systemic, alkaline-sensitive pesticides and foliar applied nutrient products. Such pesticides and most foliar nutrients generally perform best at a pH ranging from 4,5 - 5,0.

Always add **Bladbuff 7** to the spray water before adding the other components of the spray mix.

Bladbuff 7 contains a pH sensitive indicator which changes the colour of spray-water to a shade of pink when the optimum pH range of 4,5 - 5,0 has been reached.

The determination of the exact amount of **Bladbuff 7** to be added to the spray water must always be established in an open container (jug, bucket, etc.) and not by observing the colour change in the dark confines of the spray tank itself.

Soft water requires a low concentration of **Bladbuff 7** and turns pink rapidly upon reaching the desired pH. Hard water will require a higher concentration of **Bladbuff 7** and in this instance a gradual colour change from yellow to orange and finally a stable pink colour (pH 4,5 - 5,0) will be observed.

In hard waters the addition of **Bladbuff 7** must be continued whilst agitating constantly until the colour change is observed.

The following table merely serves as a general guideline regarding the quantity of **Bladbuff 7** required to adjust the pH of different waters to a level ranging from 4,5 - 5,0.

APPLICATION TABLE:

<i>Water Hardness Rating</i>	<i>Application Rate ml / 100 l Water</i>
Soft	40 – 50
Medium	50 – 60
Medium Hard	100 – 120
Hard	180 – 200
Very Hard	220 and above

BLADBUFF® 7

Reg. Nr. L8121, Wet Nr. 36 van 1947
Namibiese Reg. Nr. N-AR 0823

'n Waterkwaliteit verbeteringsmiddel wat benatting-, verspreiding- en versuringseienskappe asook 'n pH indikator besit vir die gebruik saam met sistemiese- en kontak plaagbeheermiddels, swamdoders, onkruidodders en blaarvoedings.

AKTIEWE BESTANDELE

BENATTINGSMIDDELS (Noniel fenol vry)
VERSPREIDINGSMIDDELS (Noniel fenol vry)
VERSUURDER
pH INDIKATOR

600 g/ℓ

REGISTRASIEHOUER:

Nulandis® ('n Afdeling van AECI Beperk)

Reg. Nr. 1924/002590/06
Posbus 14418
Witfield, 1467
Tel : (011) 823 8000

VERSIGTIG

WAARSKUWINGS:

Die byvoeging van **Bladbuff 7** by spuitmengsels wat sekere koper swamdoders bevat, veral oksichloriedes, word nie aanbeveel nie omdat dit fitotoksies kan wees.

Vermý langdurige kontak met die konsentraat. Oogirritasie mag voorkom.

Bladbuff 7 is invretent en mag nie in metaalhouers gebêre word nie.

Hou buite die bereik van kinders, oningeligte persone en diere.

Berg weg van voedsel en voer.

ALHOEWEL HIERDIE BEVORDERINGSMIDDEL 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 KLIMAATS- EN BERGINGSTOESTANDE; KWALITEIT VAN VERDUNNINGSWATER, VERENIGBAARHEID MET ANDER STOWWE WAT NIE OP DIE ETIKET AANGEDUI IS NIE SOWEL AS DIE METODE, TYD EN AKKURAATHEID VAN TOEDIENING. VERDER AANVAAR DIE REGISTRASIEHOUER NIE VERANTWOORDELIKHEID VAN SKADE AAN GEWASSE, DIE OMGEWING OF VIR DIE NADELIGE EFFEK OP MENS OF DIER OF VIR 'N GEBREK AAN PRESTASIE VAN DIE BENATTER AS GEVOLG VAN DIE VERSUIM VAN DIE GEBRUIKER OM ETIKETAANWYSINGS NA TE KOM OF AS GEVOLG VAN DIE ONTSTAAN VAN TOESTANDE WAT NIE KRAGTENS DIE REGISTRASIE VOORSIEN KON WORD NIE. RAADPLEEG DIE VERSKAFFER IN DIE GEVAL VAN ENIGE ONSEKERHEID.

VOORSORGMATREËLS:

Dra 'n beskermingsbril en rubberhandskoene wanneer konsentraat hanteer word.

In die geval van kontak met oë, spoel onmiddellik vir minstens 15 minute met water. Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei. Sodra leeg, spoel die houer driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word. Vernietig die houer en moet vir geen ander doel gebruik nie.

Bladbuff 7 is 'n bevorderingsmiddel wat 'n kombinasie van nie-ioniese en anioniese komponente bevat. Dit is geskik vir grond- en lugtoediening.

Bladbuff 7 verlaag en buffer die pH van die spuitoplossing.

Bevat 'n unieke pH indikator wat die spuitwater pienk verkleur sodra die optimale pH van 4,5 - 5,0 bereik word.

Het uitstekende benatting- en verspreidingseienskappe wat die werkverrigting van plaagdoders verhoog (veral dié van onkruidodders), en verminder ook die moontlikheid van fitotoksisiteit.

Verbeter kutikulêre penetrasie en verhoog opname van sistemiese plaagdoders en blaarvoeding bespuitings.

Verhoed vinnige hidroliese (afbreek) van alkalies-sensitiewe plaagdoders soos bv. organofosfate, karbamate, sintetiese piretroïdes en geklorineerde koolwaterstowwe.

Verbeter die mengbaarheid van emulgeerbare konsentrete met blaarvoedingsstowwe.

Neutraliseer sekere opgeloste soute, en verlaag die E.G. (Elektriese Geleibaarheid) van harde spuitwater tot by optimale pH.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

MOENIE 300 ml /100 l WATER OORSKRY WANNEER OP KOMKOMMERS, SPANSPEK, ROSE, TABAK EN WAATLEMOEN TOEGEDIEN WORD NIE.

Die pH en hardheid van water kan 'n aansienlike nadelige uitwerking op die uiteindelijke effek van sistemiese en alkaliese sensitiewe plaagbeheermiddels asook blaarvoedings hê. Genoemde spuitstowwe presteer gewoonlik die beste by 'n pH van tussen 4,5 - 5,0.

Voeg **Bladbuff 7** altyd eerste by die spuitwater voordat die ander komponente van die spuitmengsel bygevoeg word.

Bladbuff 7 bevat 'n pH sensitiewe indikator wat die kleur van die spuitwater na 'n skakering van pienk laat verander sodra 'n pH van 4,5 – 5,0 bereik word.

Om die presiese hoeveelheid **Bladbuff 7** te bepaal wat bygevoeg moet word by die spuitmengsel, meet dit af in 'n oop houer (bv. 'n emmer of beker). Moenie die verandering in kleur van die spuitmengsel, soos geobserveer binne-in 'n donker spuittenk as maatstaf gebruik nie.

Sagte water verg 'n lae konsentrasie **Bladbuff 7** en verander onmiddellik na pienk, wanneer die gewenste pH bereik is. Harde water daarteenoor vereis 'n hoër konsentrasie **Bladbuff 7** en verkleur geleidelik van geel na oranje, en met bereik van 'n pH 4,5 - 5,0 uiteindelik na donker pienk.

In die geval van harde water moet die spuitwater voortdurend geroer word, terwyl die **Bladbuff 7** bygevoeg word. Sodra 'n kleurverandering waargeneem word, moet die roering gestaak word.

Onderstaande tabel dien as 'n aanduiding van die hoeveelhede **Bladbuff 7** wat vir die verskillende hardheidsgrade water benodig word om 'n pH van 4,5 - 5,0 te behaal.

TOEDIENINGSTABEL:

<i>Waterhardheidsgraad</i>	<i>Toedieningsdosis ml/ 100 l water</i>
Sag	40 – 50
Medium	50 – 60
Medium Hard	100 – 120
Hard	180 – 200
Baie Hard	220 en hoër