

PASTAR™ 300 EW

HERBICIDE

REG. NO. L10616 ACT/WET NO. 36/1947

SPECIALITY HERBICIDE

A SYSTEMIC, OIL IN WATER EMULSION CONCENTRATE HERBICIDE FOR THE CONTROL OF OPUNTIA PLANT SPECIES AS LISTED IN GRAZING, GAME RANCHES, CONSERVATION AREAS, FORESTRY, INDUSTRIAL AREAS AND ON NON-CROP LAND.

'N SISTEMIESE, OLIE IN WATER EMULSIE KONSENTRAAT ONKRUIDDODER VIR DIE BEHEER VAN OPUNTIA PLANT SPESIES SOOS AANGETOON IN GRASWEIDINGS, WILDPLASE, BEWARINGS AREAS, BOSBOU, NYWERHEIDSGEBIEDE EN OP LANDE WAAROP GEWASSE NIE VERBOU WORD NIE.

HERBICIDE GROUP CODE

O

ONKRUIDDODER GROEPKODE

Active ingredients/Aktiewe bestanddele:

Aminopyralid (acid equivalent) (as potassium salt)	50 g/l	Aminopiraliëd (suurekwivalent) (as kalium sout)
Picloram (acid equivalent) (as potassium salt)	100 g/l	Pikloram (suurekwivalent) (as kalium sout)
Triclopyr (acid equivalent) (as butoxy ethyl ester)	150 g/l	Triklopir (suurekwivalent) (as butoksie-etieslester)

NET VOLUME

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NETTO VOLUME

REGISTRATION HOLDER / REGISTRASIEHOUER
 DOW AGROSCIENCES SOUTHERN AFRICA (PTY) LTD / (EDMS) BPK
 REG NO 1967/007147/07
 MAXWELL OFFICE PARK, MAGWA BUILDING
 GROUND FLOOR, MAGWA CRESCENT
 WATERFALL CITY, MIDRAND, 1686 SOUTH AFRICA
 ™Trademark of/ Handelsmerk van Dow AgroSciences

Batch No.

..... Lot No.

Date of Manufacture

.....Datum van Vervaardiging

UN NO: N/R

Poisons Helpline: +27(0)861-555-777
 Griffon Poison Information Centre: +27(0)82-446-8946
 Local Emergency No: +27(0)82-895-0621 (SA only)
 24 Hour Emergency Tel No: +32-3-575-5555
 Information Hotline Tel No: +27(0)12 683-5700

PASTAR™ 300 EW/2019-09-30



WARNINGS:

- Do not swallow. Very low toxicity when swallowed.
- Essentially non-irritant to eyes.
- Essentially non-irritant to skin.
- Store in a cool place.
- Store in original container.
- Store away from food, feedstuff, seeds, and other agricultural chemicals and out of reach of children, uninformed persons and animals.
- In case of poisoning, call a doctor and show this label.

RE-ENTRY:

Do not enter treated area until spray deposit has dried unless wearing protective clothing.

GRAZING RESTRICTIONS:

- Do not graze lactating dairy animals on treated area within two weeks after treatment.

GRAZING POISONOUS PLANTS: Herbicide application may increase palatability of certain poisonous plants. Do not graze treated areas until poisonous plants are dry and no longer palatable to livestock.

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; quality of dilution water, compatibility with other substances not indicated on the label and 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, and 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 or registration holder in the event of any uncertainty.

PRECAUTIONS:

- Keep out of reach of children.
- Wear protective gloves and face shield or safety glasses when handling the concentrate.
- Do not breathe in fumes or spray mist.
- Wash contaminated clothing daily after use.
- Wash with soap and water after accidental skin contact.
- Avoid eye contact. In case of eye contact, flush eyes with clean water.
- Do not eat, drink or smoke whilst mixing, applying or before washing hands, face and contaminated skin and a change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams, any other water sources or areas not under treatment.

- Clean applicator thoroughly after use and ensure that all traces of **PASTAR™ 300 EW** are removed (See “Sprayer Cleanup” section of this label).
- Prevent contamination of food, feedstuff, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING:

- There are no specific signs of poisoning.
- The concentrate may cause moderate eye irritation.
- Prolonged or repeated skin contact may cause allergic reactions with local redness in some individuals.
- Ingestion of large amounts may cause gastro-intestinal irritation.

FIRST AID TREATMENT:

Description of first aid measures.

General Advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing.

Inhalation: Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Eye contact: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person.

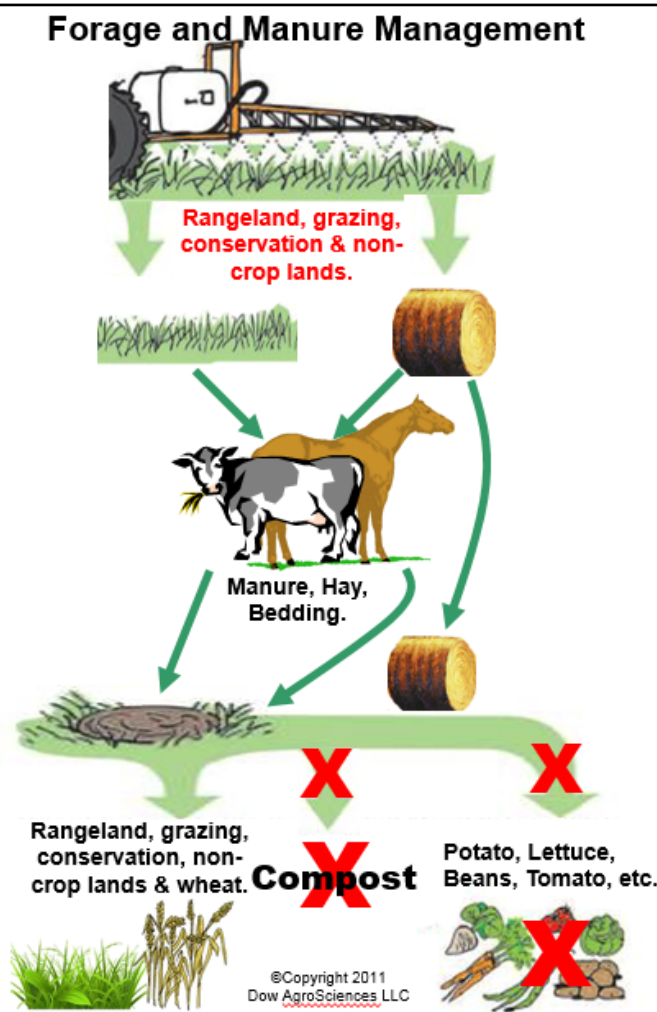
Indication of any immediate medical attention and special treatment needed.

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment.

USE RESTRICTIONS:

IMPORTANT USE PRECAUTIONS AND RESTRICTIONS TO PREVENT INJURY TO DESIRABLE PLANTS

- Carefully read the section “**Restrictions**”
- It is mandatory to follow the “**Restrictions**” section of this label.
- Manure and urine from animals consuming grass or hay treated with this product may contain enough aminopyralid & picloram to cause injury to sensitive broadleaf plants.
- Consult with a Dow AgroSciences representative if you do not understand the “Use Precautions and Restrictions”.



Precautions for avoiding injury to non-target plants are:

- Do not use hay or straw from areas treated with PASTAR™ 300 EW or manure from animals feeding on hay treated with PASTAR™ 300 EW in compost.
- Do not use grasses treated with PASTAR™ 300 EW for seed production.
- **Avoiding Injury to Non-Target Plants:** Do not allow spray drift to come in contact with, any broadleaf crop or other desirable broadleaf plants, including, but not limited to, alfalfa, cotton, dry beans, flowers, grapes, lettuce, potatoes, radishes, soybeans, sugar beets, sunflowers, tobacco, tomatoes or other broadleaf or vegetable crop, fruit trees, ornamental plants, or soil where sensitive crops are growing or will be planted. Avoid application under conditions that may allow spray drift because very small quantities of spray may seriously injure susceptible crops.
- **PASTAR™ 300 EW is highly active against certain broadleaf plant species.** Do not use this product on areas where loss of broadleaf plants, including legumes, cannot be tolerated.
- **Chemigation:** Do not apply this product through any type of irrigation system.

- **Do not contaminate water intended for irrigation or domestic purposes.** Do not treat inside banks or bottoms of irrigation ditches, either dry or containing water, or other channels that carry water that may be used for irrigation or domestic purposes.
- Do not apply this product to lawns, turf, ornamental plantings, urban walkways, driveways, tennis courts, golf courses, athletic fields, commercial sod operations, or other high-maintenance, fine turfgrass areas, or similar areas.
- Trees adjacent to or in a treated area may be affected by root uptake of **PASTAR™ 300 EW**. Do not apply **PASTAR™ 300 EW** within the root zone of desirable trees unless such injury can be tolerated. Use special caution near roses, and leguminous trees.
- When used in Forestry do not apply **PASTAR™ 300 EW** within or near compartments or on open areas that are planned for tree establishment at a later date.
- Applications made during periods of intense rainfall, to soils saturated with water, surfaces paved with materials such as asphalt or concrete, or soils through which rainfall will not readily penetrate may result in runoff and movement of **PASTAR™ 300 EW**. Injury to crops may result if treated soil and/or runoff water containing **PASTAR™ 300 EW** is washed, or moved onto land used to produce crops.
- Exposure to **PASTAR™ 300 EW** may injure or kill susceptible crops and other plants, such as grapes, soybeans, tobacco, sensitive ornamentals.
- **Grazing and Haying Restrictions:** Cutting hay too soon after spraying weeds will reduce weed control. Wait 14 days after herbicide application to cut grass hay to allow herbicide to work. Do not transfer grazing animals from areas treated with **PASTAR™ 300 EW** to areas where sensitive broadleaf crops occur without first allowing 3 days of grazing on an untreated pasture. Otherwise, urine and manure may contain enough aminopyralid and picloram to cause injury to sensitive broadleaf plants.
- **Grazing Poisonous Plants:** Herbicide application may increase palatability of certain poisonous plants. Do not graze treated areas until poisonous plants are dry and no longer palatable to livestock.

Restrictions in Hay or Manure Use:

- Do not use treated plant residues, including grass, woody plants, trees, hay or straw from areas treated with **PASTAR™ 300 EW** in compost, mulch, wood chips, or mushroom spawn.
- Do not use manure from animals that have eaten treated forage or hay within the previous 3 days, in compost, mulch or mushroom spawn. Livestock must have 3 days of eating non-treated materials in order to clear their system of herbicides. Do not use treated plants in areas where commercially grown mushrooms or susceptible broadleaf plants may be grown.
- Do not spread manure from animals that have consumed treated forage or eaten hay within the previous 3 days on land used for growing susceptible broadleaf crops.
- Manure from animals that have consumed treated forage or hay within the previous 3 days may only be used on areas used for pasture and grass grown for seed.
- Do not plant a broadleaf crop (including soybeans, sunflower, tobacco, vegetables, field beans, peanuts, and potatoes) in fields or areas treated with aminopyralid and picloram or manure from animals that have grazed forage or eaten hay harvested from aminopyralid and picloram treated areas.
- Do not plant a broadleaf crop in fields or areas treated with manure from animals that have consumed treated forage or hay.

To promote herbicide decomposition, plant residues should be evenly incorporated in the surface soil or burned. Breakdown of aminopyralid and picloram in plant residues or manure is more rapid under warm, moist soil conditions and may be enhanced by supplemental irrigation.

Crop Rotation:

- Do not rotate to any crop from rangeland, permanent pasture or conservation areas following treatment.
- **Do not move treated soil** to areas other than sites for which **PASTAR™ 300 EW** is registered for use.
- **Do not apply through a mist blower.**

Apply the product strictly in accordance with the application directions.

Resistance Management Guidelines

- Development of plant populations resistant to this herbicide mode of action is usually not a problem on rangeland, permanent grass pastures, conservation areas, or non-cropland sites since these sites receive infrequent pesticide applications.
- In croplands, use an effective integrated pest management (IPM) program, integrating tillage or other mechanical methods, crop rotation or other cultural control methods into weed control programs whenever practical.
- Similar looking biotypes of a given weed species occurring in a treated area may vary in their susceptibility to herbicide. Application of a herbicide below its labeled rate may allow more tolerant weeds to survive and a shift to more tolerant biotypes within the treated area.
- Where identified, spreading of resistant weeds to other fields may be prevented by cleaning harvesting and tillage equipment before moving to other areas and by planting weed-free seed.
- Contact your extension specialist, certified crop consultant, or Dow AgroSciences representative for the latest resistance management information.

COMPATABILITY:

The compatibility of **PASTAR™ 300 EW** with other chemicals is not known.

Do not mix **PASTAR™ 300 EW** with any other products other than **H&R Crop Oil(L6802)** as instructed on this label.

DIRECTIONS FOR USE:

Use only as directed

Mixing instructions

For spot foliar applications - Half fill the spray tank with clean water and add the required quantity of **PASTAR™ 300 EW**. While filling the spray tank add **H&R Crop Oil** (L6802), or similar emulsifiable mineral oil at a rate of 0.5% final spray mix volume. Finally fill the spray tank to the desired level whilst maintaining constant agitation.

TIMING OR SEASON OF APPLICATION:

Only apply **PASTAR™ 300 EW** only on actively growing plants and when soil moisture is favourable to plant growth.

Apply only when the trees are in the correct stage of development, as indicated below

- Only spray trees of which leaves have fully developed.
- Spray only on healthy and vigorously growing trees.
- Spray only on trees with full foliage cover.
- Do not apply to wet foliage.
- Do not spray following a late frost.
- Deciduous plants may drop their leaves when under stress. Caution must be taken when applying foliar applications to deciduous plants during autumn to prevent rapid leaf drop as a combination of stress and herbicide application. Should this occur, provision should be made for follow-up treatments.
- Do not spray target plants when drought signs are evident or showing signs of stress.
- After a drought some plant species remain under stress and require a recovery period following rainfall. Signs of stress may not be evident during this recovery period. Allow time for plants to fully recover after rainfall before applying foliar treatments.
- Should foliar treatments be applied during this recovery period, provision should be made for follow-up treatments.

RATES AND METHODS:

PASTAR™ 300 EW may be applied:

- as a Spot Foliar application together with **H&R Crop Oil**(L6802), or similar emulsifiable mineral oil.

as indicated on the specie recommendations (see tables below).

Best results are obtained when spray volume is sufficient to provide uniform coverage of treated plants.

THE WIND SPEED AND DIRECTION AT THE TIME OF APPLICATION WILL DETERMINE THE DISTANCE WHICH MUST SEPARATE THE CLOSEST EDGE OF THE AREA TO BE SPRAYED FROM SUSCEPTIBLE PLANTS AND CROPS.

WIND SPEED km/h	GROUND APPLICATION
2-15	2.0 km downwind 2.0 km crosswind 1.0 km upwind
Above 15	Prohibited

RATES OF APPLICATION

OPUNTIA SPECIES - SPOT FOLIAR APPLICATION (INDIVIDUAL PLANT TREATMENT):

- Use only on actively growing plants.
- Apply to cladodes and stems as a full cover spray ensuring wetting on all sides.
- Use a sufficient volume of spray mix to ensure a light, full and even coverage of plants stem and cladodes.
- Irrigation or rainfall shortly after application may negatively influence results.
- Do not apply to plants wet from rain, dew or snow.
- Avoid spray drift from contaminating susceptible non-target plants.
- Use a knapsack sprayer with a solid cone nozzle (Spraying Systems TG1 or equivalent). Maintain a constant pressure of between 100 and 250 kPa.
- ENSURE ALL CLADODES LYING ON THE GROUND ARE FULLY TREATED.
- Cladodes that may have been accidentally untreated will regenerate if they make contact with the ground in the process of the plant decomposition!!! It is therefore very important to plan and execute follow up treatments.

RATES OF APPLICATION

SPOT FOLIAR APPLICATION		
PLANT	RATE/100 L WATER	REMARKS
<i>Cereus jamacaru</i> (Queen of the Night)	1000 ml (1.0 % v/v mixture)	Add H&R Crop Oil*(L6802), or similar emulsifiable mineral oil at a rate of 0.5% final spray mix volume. Apply to young actively growing plants. Ensure sufficient coverage of all cladodes and stems.

* The trade mark **H&R Crop Oil®** is the property of **H&R South Africa Sales (Pty) Ltd.**

PASTAR™ 300 EW controls woody plant species. Any other trees and shrubs that were present during the development trials with the product/s may also be controlled to a certain degree. The registration holder does not accept any responsibility for unlisted trees and shrubs.

SPRAYER CLEANUP:

To prevent any damage to non-target plants, all traces of **PASTAR™ 300 EW** must be removed by thorough cleaning from the mixing and spraying equipment. Proceed as follows:

- a) The spray tank should be drained immediately after spraying.
- b) The inside of the spray tank should be rinsed with clean water and flushed with at least one tenth of the spray tank volume through the hoses and nozzles. Drain the tank completely.
- c) Half-fill the tank with clean water and add the correct quantity of cleaning agent – per 100 liters of final tank volume, add 350 ml household ammonia (9,5 % ammonia) to the water, e.g. in the case of a 1 000 liters spray tank, fill with 500 liters water and add 3,5 liters (=10 x 0,35 L) household ammonia. The initial solution now prepared which is double strength, should be mixed thoroughly by turning on the agitation. This solution is now used for flushing the hoses and nozzles for approximately 1 minute. The remainder is now filled up to the final volume of the spray tank and allowed to stand for 15 minutes with the agitation running. After this 15 minute interval, flush the boom and hoses again and drain the tank completely.
- d) Remove the nozzle and filters and allow to soak in a bucket containing 40 ml of household ammonia per 10 liters of water.
- e) Rinse the tank again with water and flush at least one tenth of the tank volume through the boom and hoses.
- f) Dispose of the wash water safely, away from water supplies. Do not spray onto or otherwise dispose of onto sensitive crops or land intended for planting with sensitive crops.
- g) Wash any contamination off the outside of the sprayer with clean water.

STORAGE AND DISPOSAL:

Storage conditions

Store away from sun, in original tightly closed containers, in a cool, dry, well-ventilated area apart from food and feed under lock and key.

Container disposal

- Empty plastic pesticide containers must be rinsed three times in succession with one quarter of the container volume clean water (this is triple rinsing) and rinse water must be decanted into the spray bowser.
- Triple rinsed containers must be dried out and preferably cut into four quarters to reduce transport volumes.
- Farmers should use the services of preferred recyclers on the AVCASA list. It is the duty of the farmer to contact the recycler of choice and arrange for the disposal of empty triple rinsed containers.
- Triple rinsed, dried out containers are not considered to be hazardous waste and may be transported by normal means.
- Containers that have any pesticide residues may not be transported by normal means and may not be recycled. They are treated as hazardous waste.
- Triple rinsed empty containers may not be stored for longer than three months at any given site unless that site is registered as a hazardous waste collection and storage site. It is therefore imperative that farmers dispose of their empty triple rinsed containers at least once every three months.

EMPTY PESTICIDE CONTAINERS MAY NOT BE GIVEN AWAY OR SOLD AS CONTAINERS FOR ANY OTHER COMMODITIES. IT MAY NOT BE INCINERATED OR BURIED ON THE FARM. IT MAY ONLY BE RECYCLED BY REPUTABLE RECYCLERS.

Disposal of obsolete, redundant, left over and unwanted herbicide

- Ensure that such herbicides are in containers with their original labels attached to them. If labels are damaged, spray over with clear varnish to secure labels for future reference. Once dried out, paste polyethylene plastic sheets over such labels to prevent further degradation thereof.
- If containers are perished and/or leaking, place such containers with their labels attached as in paragraph 1 above, into overdrums (preferable plastic). Seal the lids of overdrums
- Mark all such pesticides with a red cross and the words TOXIC GIFTIG with red paint.

- Put the marked containers on pallets in a secluded spot in a store that can be locked. Use a site in the store that has a concrete floor. Cover beforehand with thick plastic sheeting.
- Compile an inventory of the pesticides with trade names, active ingredients, formulation, quantity (mass or volume), container type and container condition. Acquire MSDSs for all products via manufacturer websites.
- Call EnviroServ on 0800 147 112, or A-Thermal on 011 316 1800 or Rapid Spill Response on 0861 113 467 and request a quotation for the disposal of the pesticides. They will give further instructions regarding their requirements.
- Ensure that the pesticides are not accessible to unauthorised individuals.

OBSOLETE, REDUNDANT, LEFT OVER AND UNWANTED PESTICIDES MAY NOT BE INCINERATED OR BURIED ON THE FARM. IT MAY ONLY BE DISPOSED OF BY LICENSED HAZARDOUS WASTE MANAGEMENT COMPANIES.

Local Emergency No: +27(0)82-895-0621 (SA only)
24 Hour Emergency Tel No: +32-3-575-5555
Information Hotline Tel No: +27(0)12 683-5700

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WAARSKUWINGS:

- Moet nie insluk nie. Baie lae toksisiteit indien ingesluk.
- Nie noodsaaklik irriterend vir oe nie.
- Nie noodsaaklik irriterend vir vel nie.
- Berg in 'n koel plek.
- Berg in oorspronklike houer.
- Berg weg van voedsel, voer, saad en ander landbouchemikalieë en buite bereik van kinders, oningeligte persone en diere.
- In geval van vergiftiging, kontak 'n dokter en toon die etiket.

HERBETREDING:

- Moet nie behandelde gebied betree alvorens die spuitneerslag droog is nie, tensy beskermende oorklere gedra word.

WEIDINGSBEPERKINGS:

- Moet nie diere in laktasie vir melkproduksie binne twee weke na behandeling in behandelde area laat wei nie.

WEI VAN TOKSIESE PLANTE: Onkruidodder behandeling mag die smaaklikheid van sekere toksiese plante verhoog. Moet nie behandelde areas laat beweï voordat toksiese plante dood en dus nie meer smaaklik vir diere is 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 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 in die geval van enige onsekerheid.

VOORSORGMAATREËLS:

- Hou buite bereik van kinders.
- Dra beskermende handskoene en gesigskerm of veiligheidsbrille tydens hantering van die konsentraat.
- Moet nie dampe of spuitneuwel inasem nie.
- Was besoedelde klere daaglik na gebruik.
- Was met seep en water in geval van velkontak.
- Vermy oogkontak. In die geval van oogkontak, spoel oë met skoon water.

- Moet nie eet, drink of rook tydens vermenging, toediening van die produk of voordat hande, gesig en besmette vel gewas is nie en nuwe klere aangetrek word nie.
- Vermy spuitnewel op ander gewasse, weiveld, riviere, damme, enige ander waterbronne of plekke wat nie behandel word nie.
- Maak toediensapparaat skoon na gebruik en maak seker dat alle oorblyfsels van **PASTAR™ 300 EW** is. (Lees “Skoonmaak van spuit” gedeelte van hierdie etiket).
- Spoel leë houer drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi alle spoelwaters van die houer by die inhoud van die spuitenk en vernietig die houer deur dit te perforeer en plat te maak en moet vir GEEN ander doel gebruik nie.
- Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei.

SIMPTOME VAN MENSLIKE VERGIFTIGING

- Daar is geen spesifieke tekens van vergiftiging nie
- Die konsentraat mag matige oogirritasie tot gevolg hê.
- Langdurige of herhaaldelike velkontak mag gematigde irritasie met lokale rooiheid veroorsaak in sommige gevalle.
- Inname van groot hoeveelhede kan gastro-intestinale irritasie veroorsaak.

NOODHULPBEHANDELING:

Beskrywing van noodbehandeling maatreels.

Algemene Advies: Noodbehandeling toedieners moet altyd aandag gee aan selfbeskerming en die aanbevole beskermende klere gebruik.

Inaseming: Verwyder persoon na n area met vars lug. As die persoon nie asem haal nie, roep n nood hulper of ambulans, gee dan kunsmatige asemhaling; as mond tot mond asemhaling gebruik word gebruik redder beskereming (sak masker). Kontak n gif beheer sentrum of dokter vir behandelings advies.

Velkontak: Verwyder gekontamineerde klere. Was vel met seep en genoegsame water vir 15 – 20 minute. Kontak n dokter of die gifstof beheer sentrum vir behandelings advies.

Oogkontak: Hou oë oop en spoel stadig en saggies met water vir 15-20 minute. Verwyder kontaklense, indien teenwoordig, na die eerste 5 minute, en gaan dan voort met oë spoel. Bel 'n gifstof beheer sentrum of dokter vir behandelings advies.

Inname: Kontak 'n gifbeheersentrum of dokter onmiddellik vir behandelingsadvies. Laat die persoon 'n glas water sluk as die persoon kan sluk. Moenie braking veroorsaak nie, tensy dit deur die gifbeheersentrum of dokter gesê word. Moet nooit iets per mond aan 'n bewustelose persoon gee nie.

Aanduiding van onmiddellike mediese aandag en spesiale behandeling benodig.

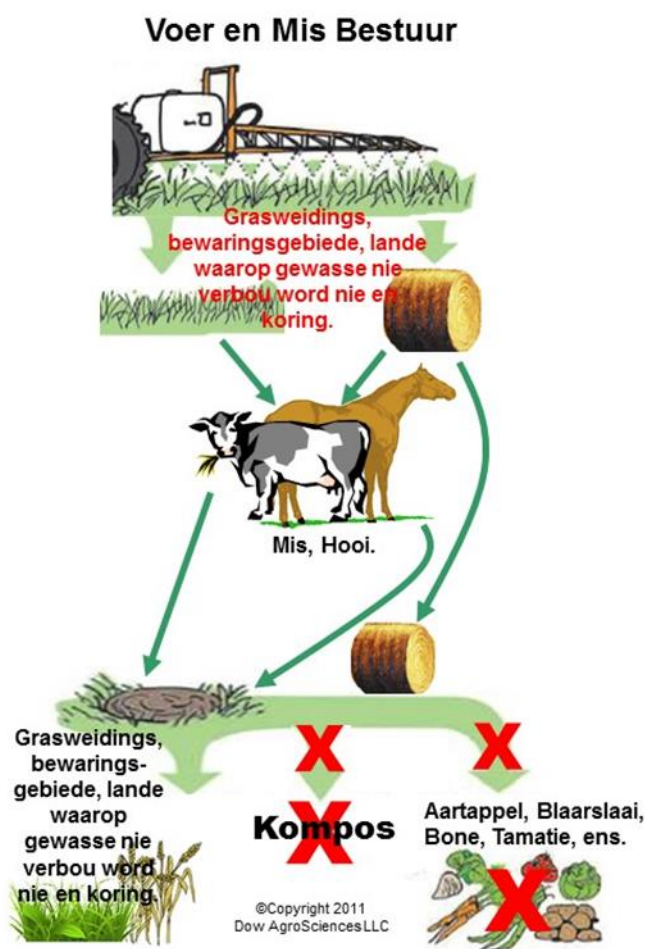
Nota aan geneesheer: Geen spesifieke teenmiddel. Behandeling van blootstelling moet gerig word na die beheer van simptome en die klinise kondisie van die pasiënt. Hou die

Veiligheids Data Blad en, as beskikbaar, die produk houer en etiket byderhand wanneer jy die gifstof beheer sentrum of dokter kontak, of vir behandeling gaan.

GEBRUIKSBEPERKINGS:

BELANGRIKE GEBRUIK VOORSORGMAATREËLS EN BEPERKINGS OM SKADE AAN WENSLIK PLANTE TE VOORKOM

- Lees die afdeling "**Beperkings**" noukeurig deur.
- Dit is verpligtend om die "**Beperkings**" afdeling van hierdie etiket te volg.
- Mis en urine van diere wat gras of hooi vreet wat met hierdie produk behandel word, mag genoeg aminopiraliëd & pikloram bevat om besering aan sensitiewe breeblaarplante te veroorsaak.
- Raadpleeg met n Dow AgroSciences verteenwoordiger as u nie die "Gebruiks Voorsorgmaatreëls en Beperkings" verstaan nie.



Voorsorgmaatreëls om skade aan nie-teiken plante te verhoed:

- **Moet nie hooi of strooi gebruik van gebiede wat met PASTAR™ 300 EW behandel is, of mis van diere wat op hooi gevreet het wat met PASTAR™ 300 EW behandel is vir kompos gebruik nie.**
- **Moet nie gras wat behandel is met PASTAR™ 300 EW vir saadproduksie gebruik nie.**
- **Verhoed skade aan nie-teiken plante:** Voorkom dat spuitnewel wegdryf of in kontak kom met enige breëblaargewasse of ander gewensde breëblaar plante, insluitend, maar nie beperk tot lusern (alfalfa), katoen, droë bone, blomme, duiwe, blaarslaai, aartappels, radyse, sojabone, suiker beet, sonneblomme, tabak, tamaties of ander breëblaar of groente, vrugte bome, ornamentele plante, of grond waar sensitiewe gewasse verbou of geweek gaan word nie. Verhoed toediening onder omstandighede wat spuit spuitnewel mag veroorsaak, want baie klein hoeveelhede spuitnewel mag ernstige skade aan vatbaare plante veroorsaak.

- **PASTAR™ 300 EW is hoogs aktief teen sekere breëblaar plant spesies.** Moet nie die produk op areas gebruik waar velies van breëblaar plante, insluitend peulgewasse, nie geduld kan word nie.
- **Spilpunttoediening:** Moet nie die produk deur enige tipe besproeiing sisteem toedien nie.
- **Moet nie water wat vir besproeiing of huishoudelik gebruik bedoel is, besoedel nie.** Moet nie die binnekant of onderkant van besproeiings sloote, of hul droog is of water bevat, of ander kanale wat water dra wat vir besproeiing of huishoudelike doeleindes gebruik word behandel nie.
- **Moet nie die produk toedien op** grasperke, speelveld, ornamentele plante, stedelike loop paadjies, opritte, tennis banne, golf banne, atletiek velde, kommersiële sooi bedrywighede, of ander hoë onderhoud, fyn baangras areas, of sortgelyke areas nie
- Bome aangrensend tot, of in toedienings areas kan soms deur wortel opname van **PASTAR™ 300 EW** beïnvloed word. Moet nie **PASTAR™ 300 EW** binne die wortel sone van gewenste bome, tensy skade aan daardie bome geduld kan word, toedien nie.
- Wanneer in Bosbou gebruik word, moet **PASTAR™ 300 EW** nie binne of naby kompartemente of op oop areas wat op 'n later stadium vir boomvestiging beplan word, toegedien word nie.
- Toedienings gedurende tydperke van hoë reënval op gronde wat versadig is met water, opvervlakte bedek is met teer of konkryt, of gronde waar reënval nie genoegsaam penetreer nie, mag afloop en beweging van **PASTAR™ 300 EW** tot gevolg hê. Besering tot gewasse mag volg as behandelde grond en/of afloop water wat **PASTAR™ 300 EW** bevat, gespoel, of verskuif word na lande wat gebruik word vir gewas verbouing.
- **Blootstelling aan PASTAR™ 300 EW** mag vatbare gewasse of ander plante soos duiwe, sojabone, tabak en sensitiewe sierplante beseer of dood maak.
- **Weiding en hooi beperkings:** Die sny van hooi te vroeg na bespuiting van onkruid sal beheer van onkruid verminder. Wag 14 dae na onkruidoder toediening om gras hooi te sny om die onkruidoder genoegsame tyd te gee om te werk. Moet nie vee verskuif van areas wat met **PASTAR™ 300 EW** behandel is na areas waar sensitiewe breëblaar gewasse teenwoordig is voordat daar 3 dae van weiding op onbehandelde areas gewei is nie. Anders kan urine en mis genoegsame aminopiraliëd en pikloram bevat om skade aan sensitiewe breëblaar plante aan te rug.
- **WEI VAN TOKSIESE PLANTE:** Onkruidoder behandeling mag die smaaklikheid van sekere toksiese plante verhoog. Moet nie behandelde areas laat beweï voordat toksiese plante droog is en dus nie meer smaaklik vir diere is nie.

Beperkings op hooi en mis gebruik:

- Moet nie behandelde plant reste, insluitend gras, houtagtige plante, bome, hooi of strooi van areas wat behandel is met **PASTAR™ 300 EW** in kompos, deklaag, houtskaafsels, of sampioen groeimedium gebruik nie.
- Moet nie mis van diere wat behandelde voer of hooi binne die voorafgaande 3 dae, in kompos, deklaag of sampioen groeimedium gebruik nie. Vee moet ten minstens 3 dae van nie behandelde material gevoer word in order om hulle sisteeme skoon te kry van onkruidodder. Moet nie behandelde plante in areas gebruik waar kommersiele sampione en vatbaare breëblaar plante gekweek gaan word nie.
- Moet nie mis versprei van diere wat behandelde voer of hooi die voorafgaande 3 dae geëet het op grond wat bewerk gaan word om vatbaare breëblaar gewase te verbou nie.
- Mis van diere wat voer of hooi verteer het wat binne die voorafgaande 3 daai behandel is mag net op gebiede gebruik word vir weiding en gras wat gekweek word vir saad.
- Moet nie n breëblaar plante oes (insluitend sojabone, sonneblomme, tabak, groente, droë bone, grondboontjies en aartappels) in lande, of gebiede wat behandel is met aminopyralied en pikloram, of mis van diere wat op voer of hooi gewei het wat van aminopyralied en pikloram behandelde areas afkomstig is, bevestig nie.
- Moet nie breëblaar plante in lande of gebiede wat met mis van diere wat behandelde voer of hooi verteer het bemes is, vestig nie.
- Om onkruidodder ontbinding te bevorder word dit aanbeveel dat plant reste eweredig in die grond opervlakte versprei word, of gebrand word. Afbreek van aminopyralied en pikloram in plant reste en mis is vinniger onder warm, vogtige grond kondisies en mag verbeter word met aanvullende besproeiing.

Wisselbou:

- Moet nie wissel na enige gewas van weiveld, permanente weiding of bewaringsgebiede na behandeling nie.
- **Moet nie grond wat behandel is na ander gebiede wat nie vir die gebruik van PASTAR™ 300 EW geregistreer is nie verskuif.**
- **Moet nie met `n newelspuit (misblaser) toedien nie.**

Dien die produk streng in ooreenstemming met die toediening aanwysings toe.

Weerstand bestuursriglyne:

- Ontwikkeling van plant bevolkings wat weerstandbiedend is teen onkruidodders se metode van werking is gewoonlik nie n probleem in weivelde, permanente gras weidings, bewarings areas, of nie-gewas areas nie, want die areas ontvang seldsaam onkruidodder toediening.
- In lande waar gewasse verbou word, gebruik `n effektiewe geïntegreerde plaagbestuur (GPB) program, integreer grondbewerking of ander meganiese metodes, gewas wisselboustelsels en ander beheer programme waar prakties moontlik.

- Soortgelyke biotipes van 'n gegewe onkruidspesies teenwoordig in n behandelde area, mag wissel in hulle vatbaarheid tot 'n onkruidodder. Toediening van n onkruidodder laer as wat die etiket aandui mag toelaat dat meer verdraagsame onkruid oorleef en n skuif na meer weerstandbiedende biotipes binne die behandelde gebied tot gevolg he.
- Die verspreiding van weerstandbiedende onkruid na ander lande mag verhoed word met die skoonmaak van oes en bewerkingstoerusting, voor die beweging van die toerusting na ander areas en deur die plant van onkruid vrye saad.
- Kontak jou uitbreiding spesialis, gesertifiseerde gewas konsultant, of DOW AgroSciences verteenwoordiger vir die nuutste weerstand bestuur inligting.

VERENIGBAARHEID:

Die verenigbaarheid van **PASTAR™ 300 EW** met ander chemikalieë is nie bekend nie.

Moet nie **PASTAR™ 300 EW** met enige ander produk, anders as **H&R Crop Oil(L6802)** soos wat op die etiket aanbeveel is, meng nie.

GEBRUIKSAANWYSINGS:

Gebruik slegs soos aangedui.

Menginstruksies:

Vir blaar lugtoediening – Maak die spuit tenk half vol met skoon water en voeg die voorgeskrewe hoeveelheid **PASTAR™ 300 EW** by. Voeg **H&R Crop Oil(L6802)**, of soortgelyke emulgeerbare mineraal olie, teen n dosis van 2 liters per hektaar by. Ten einde, vul die spuit tenk tot die gewenste vlak terwyl mengsel konstant geroer word.

Vir blaar koltoediening – Maak die spuit tenk half vol met skoon water en voeg die voorgeskrewe hoeveelheid **PASTAR™ 300 EW** by. Voeg **H&R Crop Oil(L6802)**, of soortgelyk emulgeerbare mineraal olie, teen n dosis van 0.5% finale spuit mengesels volume by. Ten einde, vul die spuit tenk tot die gewenste vlak terwyl mengsel konstant geroer word.

TYDSBEREKENING OF SEISOEN VAN TOEDIENING:

Dien slegs **PASTAR™ 300 EW** toe op aktief groeiende plante en wanneer grondvog gunstig is vir plantegroei.

Dien slegs toe wanneer die bome in die regte stadium van ontwikkeling is, soos hieronder aangedui:

- Spuit slegs bome waarvan blare volledig ontwikkel is.
- Spuit slegs op gesonde en aktief groeiende bome.
- Spuit slegs op bome met volle blare bedekking.
- Moet nie op nat blare toegedien word nie.
- Moet nie na 'n laat ryp spuit nie.
- Bladwisselende plante kan hul blare afgooi wanneer hulle onder stremming verkeer. Wees versigtig wanneer blaarbespuitings op bladwisselende plante toegedien word tydens herfs om vinnige blaarval te voorkom as gevolg van 'n kombinasie van stremming en onkruidodertoediening. Indien dit gebeur, moet voorsiening gemaak word vir opvolgbehandelings.

- Moet nie teikenplante spuit wanneer tekens van droogte sigbaar is of tekens van stremming toon nie.
- Na 'n droogte bly sommige plantspesies onder stremming en benodig 'n herstelperiode na reënval. Tekens van stremming kan nie tydens hierdie herstelperiode duidelik wees nie. Laat tyd toe vir plante om volledig te herstel ná reënval voordat blaarbehandelings toegedien word.
- Indien blaarbehandelings gedurende hierdie herstelperiode toegedien word, moet daar voorsiening gemaak word vir opvolgbehandelings.

DOSISSE EN METODEDES:

PASTAR™ 300 EW kan toegedien word:

- as n Blaar-kolbespuiting toegediening tesame met **H&R Crop Oil**(L6802), of soortgelyk emulgeerbare minerale olie.

soos aangedui per individuele spesie aanbevelings (sien tabelle hieronder).

Die beste resultate word verkry wanneer spuitvolume voldoende is om eweredige bedekking van behandelde plante te verseker.

DIE WINDSPOED EN WINDRIGTING TYDENS TOEDIENING SAL DIE AFSTAND TUSSEN DIE NAASTE RAND VAN DIE GEBIED WAT BESPUIT MOET WORD EN DIE GEVOELIGE PLANTE EN GEWASSE BEPAAL.

WIND SPOED km/h	GRONDTOEDIENING
2-15	2.0 km windaf 2.0 km dwarswind 1.0 km windop
Meer as 15	Verbode

TOEDIENINGSHOEVEELHEDE:

OPUNTIA SPESIES - BLAAR-KOLBESPUITING (INDIVIDUELE PLANTBEHANDELING):

- Gebruik slegs op aktief groeiende plante.
- Dien aan beide kante van kladodes en omtrek van stam toe as 'n volle dekbepuiting wat dekking verseker.
- Gebruik 'n voldoende volume spuitmengsel om 'n ligte, volle en eweredige bedekking van plant kladodes en te stam verseker.
- Moet nie toedien op plante wat nat is van reën, dou van sneeu nie.
- Besproeiing of reënval kort na toediening kan die resultate negatief beïnvloed.
- Vermy spuitnewel op vatbare nie-teiken plante.

- Gebruik 'n rugsakspuit met 'n soliede kegel spuitkop (bv. Spraying Systems TG-1, Delavan CE 1 of gelykstaande) wat 'n eweredige bedekking van die teikenarea sal verseker. Handhaaf 'n konstante druk van 100-250 kPa.
- **SORG DAT ALLE KLADODES WAT OP DIE GROND GELEE IS, VOLLEDIG BEHANDEL WORD.**
- Kladodes wat nie behandel is nie, sal regeneer as hulle in die proses van ontbinding kontak met die grond maak!!! Dit is dus baie belangrik om opvolgbehandelings te beplan en uit te voer.

TOEDIENINGSHOEVEELHEID:

BLAAR-KOLBESPUITING		
PLANT	DOSIS/100L WATER	OPMERKINGS
<i>Cereus jamacaru</i> (Nagblom)	1000 ml (1.0 % v/v mengsel)	Voeg H & R Crop Oil* (L6802), of soortgelyke emulgeerbare minerale olie, teen 'n koers van 0,5% finale spuitmengsel volume. Dien toe op aktief-groeiende plante. Verseker voldoende bedekking van beide kante van kladodes en omtrek van stam.

* Die handelsmerk **H & R Crop Oil®** is die eiendom van **H & R South Africa Sales (Edms) Bpk.**

SKOONMAAK VAN SPUITTOERUSTING:

Om daaropvolgende skade te vermy op nie-teiken plante, moet alle spore van **PASTAR™ 300 EW**, direk na toediening, deeglik vanuit die meng- en spuittoerusting verwyder word.

Gaan soos volg te werk:

- Dreineer die spuitsisteam onmiddellik na bespuiting.
- Spoel die binne oppervlak van die tenk met skoon water. Spuit ten minste een tiende van die tenk se kapasiteit deur die pype en spuitpunte. Dreineer die tenk deeglik
- .Maak die tenk half vol met skoon water en voeg die korrekte hoeveelheid skoonmaakmiddel by. Vir elke 100 liter van die finale tenk volume, voeg 350 ml huishoudelike ammoniak (9.5 % ammoniak), in die water. (bv. in die geval van 'n 1 000 liter spuitenk, vul dit met 500 liter water en voeg 3,5 liter (=10 x 0,35 L) huishoudelike ammoniak by). Die oorspronklike mengsel wat nou dubbel sterkte is, moet deeglik geroer word en deur die pype en spuitpunte vir ongeveer 1 minuut gespuit word. Voeg dan water by die oorblywende mengsel tot die tenk vol is. Laat hierdie mengsel vir 15 minute in die tenk staan terwyl dit geroer word. Na hierdie 15 minuut periode, spuit weer deur die pype en spuitpunte. Dreineer die tenk deeglik.
- Verwyder spuitpunte en siwwe en plaas in 'n emmer wat 40 ml huishoudelike ammoniak per 10 liter water bevat.
- Spoel die tenk weer deeglik uit met skoon water. Spuit ten minste een tiende van die tenk se kapasiteit deur die pype en spuitpunte.

- f) S্পuit alle spoelwater veilig weg. Moet nie op sensitiewe gewasse, of op lande bedoel vir die plant van sensitiewe gewasse, s্পuit nie.
- g) Was enige kontaminasie van die buitekant van die tenk af met skoon water.

BERGING EN VERNIETIGING:

Bergingstoestand

- Berg weg van sonlig en vogtigheid, in oorspronklike houers wat dig toegemaak is, in 'n koel, droë, goed geventileerde area, weg van voedsel en voer agter slot en grendel.

Houer beskikking

- Leë plastiek plaagdoderhouers moet drie keer na mekaar met een kwart van die houervolume skoon water uitgespoel word (dit is drie keer spoel) en spoelwater moet in die spuittenk oorgegooi word.
- Drie keer gespoelde houers moet uitgedroog word en verkieslik in kwarte gesny word om vervoervolumes te beperk.
- Produsente moet die dienste van verkose verwerkers op die AVCASA lys vir die wegdoen van sulke houers, gebruik. Dit is die verantwoordelikheid van die produsent om die verwerker van sy keuse vir die wegdoen van leë houers te kontak.
- Drie keer gespoelde, uitgedroogte houers word nie as gevaarlike afval beskou nie en mag dus met gewone voertuie vervoer word.
- Houers wat enige plaagdoderresidue bevat, mag nie met gewone voertuie vervoer word of verwerk word nie. Hulle word as gevaarhoudende afval beskou.
- Drie keer gespoelde leë houers mag nie vir langer as drie maande op enige gegewe plek geberg word nie, tensy sodanige perseel as 'n gevaarhoudende afvalversamel- en bergplek geregistreer is. Boere word dus geadviseer om leë houers ten minste een keer elke drie maande weg te doen.

LEË PLAAGDODERHOUSERS MAG NIE WEG GEGEE OF VERKOOP WORD AS HOUSERS VIR ENIGE ANDER KOMMODITEITE NIE. DIT MAG NIE OP DIE PLAAS VERBRAND OF BEGRAWE WORD NIE. DIT MAG SLEGS DEUR BETROUBARE VERWERKERS VERWERK WORD.

Riglyne vir die wegdoen van verouderde, uitgediende, oortollige, ongewenste plaagdooders.

- Verseker dat sulke plaagdooders in houers met hul oorspronklike etikette is. Indien etikette beskadig is, spreid oor dit met deursigtige vernis om die etikette vir toekomstige doeleindes te bewaar. Sodra dit droog is, plak 'n poliëtileen plastiekfilm oor die etiket om verdere verval te beperk.

- Indien houers beskadig is en/of lek, moet sulke houers in oordromme (verkieslik plastiek), met hul etikette soos in paragraaf 1 hierbo beskryf, geplaas word). Seël dan die deksels van die oordromme.
- Merk al sulke plaagdoders met 'n rooi kruis en die woorde TOXIC/GIFTIG met rooi verf.
- Plaas die gemerkte houers op palette in 'n afgesonderde plek in 'n stoor wat gesluit kan word. Gebruik 'n plek in die stoor waar 'n betonvloer is. Bedek vooraf met dik plastiek.
- Stel 'n inventaris van die plaagdoders saam met handelsname, aktiewe bestanddele, formulاسie, hoeveelheid (massa of volume), tipe houer en toestand van houer. Verkry MSDSe van alle produkte via die vervaardigers se webtuistes.
- Skakel EnviroServ by 0800 147 112, of A-Thermal by 011 316 1800 of Rapid Spill Response by 0861 113 467 en versoek 'n kwotasie vir die vernietiging van die plaagdoders. Hulle sal verdere instruksies aangaande hul vereistes gee.
- Maak seker dat die plaagdoders nie toeganklik vir ongemagtige individue is nie.

VEROUDERDE, UITGEDIENDE, OORTOLLIGE EN ONGEWENSTE PLAAGDODERS
MAG NIE OP DIE PLAAS VERBRAND OF BEGRAWE WORD NIE. DIT MAG SLEGS
DEUR GELISENSIEËRDE, GEVAARHOUDENDE AFVALBESTUURSMATSKAPPYE
VERNIETIG WORD.

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