



**GUIDELINES FOR THE TRIPLE RINSING
AND DISPOSAL OF EMPTY HDPE AND
PET PESTICIDE CONTAINERS, AND
PESTICIDE AND TREATED SEED
POLYPROPYLENE BAGS**

JULY 2021



REGULATORY INFORMATION

- Only **triple rinsed and punctured** empty pesticide packaging, and pesticide and treated seed PP bags may be recovered, transported and recycled (**except PET pesticide containers which cannot be recycled but must be incinerated after cleaning**). Such triple rinsed packaging and bags are not classified as dangerous goods by the SA National Standard 10406:2014 **Clause 3.1.6**, but are classified as nominally empty packaging:
- **nominally empty packaging:**
 - Previously certified packaging from which contents have been removed as far as possible, by means of the practices commonly employed to remove materials from that type of container, for example pouring, scraping, pumping, or aspirating
 - NOTE: Packaging containing residual material of division 6.1 (main or subsidiary hazard, in accordance with SANS 10228) is not deemed empty unless it has been triple-rinsed with an effective solvent, or has been cleaned by a method proved to achieve equivalent removal.**
- Packaging and bags that are contaminated with pesticides are categorised as **hazardous** waste and **dangerous goods**, and must be treated as such, meaning transported **ONLY** according to **SANS10231** with vehicles **licensed** as dangerous goods vehicles, fitted with the required **dangerous goods placards** and driven by drivers that are **qualified and licensed** to drive such vehicles.
- Even if packaging or bags are triple rinsed, **re-using**, **selling** or **donating** them as packaging for any other purposes is unlawful.
- Empty packaging or bags may not be **buried** or **burned** on the farm; it is **criminal** offense in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and a **terrible waste** of a valuable resource to burn or bury empty packaging or bags on the farm. Refer to SANS10206:2020 for verification of this.
- Farmers must insist on being issued with a **CropLife SA CoDi Intel Declaration** by the recycler every time they hand nominally empty packaging over to a CropLife SA certified recycler.

IDENTIFICATION OF DIFFERENT TYPES OF PLASTIC (POLYMERS) USED FOR PESTICIDE PACKAGING



Identification triangles

- i. **Polyethylene terephthalate (PET or PETE) pesticide bottles** are thin and firm (mostly 1 litre and RTUs)
- ii. **High density polyethylene (HDPE) pesticide containers** can be any colour and are general firm, but soft to the touch (different volumes)
- iii. **Polypropylene (PP) pesticide bags and tubs, and treated seed bags** can be any colour (bags crumble easily if left in the sun) (large variety of sizes)
- iv. **Low density polyethylene (LDPE) bags** are clear and usually used as lining in paper or PP bags for granular or powdery pesticides

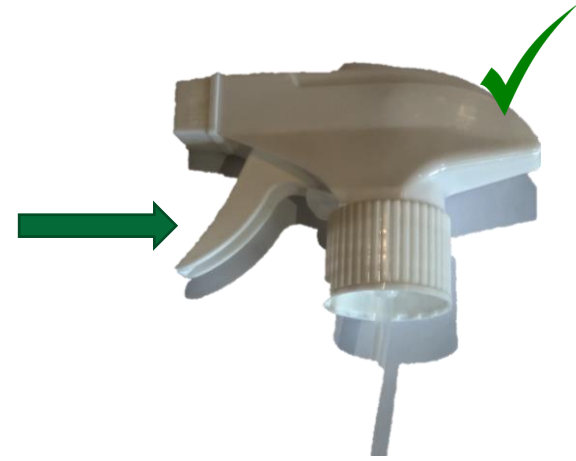


Containers normally have the identification triangle embossed underneath the containers while bags normally have the identification triangle printed on the bag

**VERY IMPORTANT
KEEP ALL PET BOTTLES SEPARATE FROM
HDPE CONTAINERS BECAUSE THEY HAVE TO
BE INCINERATED!!**



REMOVE INSERTS AND SEALS FROM CAPS, AND REMOVE SPRAY HEADS FROM RTU SPRAY BOTTLES & STORE CAPS & SPRAY HEADS IN SEPARATE BAGS FOR RECYCLING



Incinerate

VERY IMPORTANT

KEEP THE WHITE PET BOTTLES SEPARATE FROM HDPE CONTAINERS BECAUSE THEY CANNOT BE RECYCLED AND MUST BE INCINERATED



X = DISCARD

✓ = RECYCLE





TRIPLE RINSING PROTOCOL FOR HDPE AND PET PESTICIDE CONTAINERS



Triple-rinse your used pesticide containers!
Spoel jou leë plaagdoderhouers drie keer!

Triple rinse your used pesticide containers
Tšokotša lebotlelo (Setswaro) le senago selo ga raro (3)

Triple rinse your used pesticide containers
Hlamba igogogo (okanye imbombozi) yakho kathathu

Follow these steps
Volg hierdie stappe

x3



Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds

Giet laaste plaagdoder uit die houer oor die spuittenk en hou dit daar vir ten minste 30 sekondes

1 Fill with one quarter clean water

Vul met 'n kwart skoon water



2 Shake for 30 seconds
Skud vir 30 sekondes



3 Decant into spray tank for 30 seconds

Giet in spuittenk oor vir 30 sekondes



Repeat 1 to 3
Herhaal 1 tot 3



Remember! Onthou!

Puncture the rinsed container to render it useless and send to a CropLife SA approved recycler

Kap gate in die gespoelde houer om dit onbruikbaar te maak en stuur na 'n CropLife SA goedgekeurde verwerker

www.croplife.co.za 087-980-5163 info@croplife.co.za

Follow these steps
Latela ditaelo tše di latelago

x3



Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds.

Tsholla sehlare sa dibolaya-disenyi ka moka mo lebetlelong ka go le kgonamiša godimo ga tanka ya go gaša, mme o se tlogele jwalo metsotswana e masometharo (30).

1 Fill with one quarter clean water

Tlatša ka meetse a a hlwekilego a go lekana kotara e tee (1/4).



2 Shake for 30 seconds.
Šikinya/ Tšokotša go lekana metsotswana e masometharo (30).



3 Decant into spray tank for 30 seconds.
Tšhela ka gare ga tanka ya go gaša go lekana metsotswana e masometharo (30).



Repeat 1 to 3
Bušeletša kgato ya mathomo (1) go fihla go ya boraro (3).



Always wear protective clothing.
Apara diaparo tsa go tšhireletša ka nako tšohle.

Remember! Gopola!

Puncture the rinsed container to render it useless and send to a CropLife SA approved recycler.
Hlaba mašoba mo lebotlelong (setshwarong) leo le tšokoditšweng gore le hloke mohola (le se sa šoma), morago ga fao o le romele go bašomišane ka rena bao ba nnetefaleditšwego ke CropLife SA go šomiša di šomišwa gape.

CropLife SOUTH AFRICA SUID-AFRIKA +27 (0)87 940 4168 info@croplife.co.za

Follow these steps
Landela leminyathelo

x3



Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30 seconds.

Khupha yonke ikhemikhali ekwigogogo (okanye imbombozi) ngokuthi ujongise phezulu igogogo (okanye imbombozi) kwiisitshizi ube uyibambe kangange mizuzu eyi 30 (amashumi amathathu).

1 Fill with one quarter clean water.
Galela amanzi acocekileyo kangake kota yegogogo (okanye imbombozi).



2 Shake for 30 seconds.
Hlukunghla kangange mizuzwana eyi 30 (amashumi amathathu).



3 Decant into spray tank for 30 seconds.
Galela kwiisitshizi kangange mizuzwana eyi 30 (amashumi amathathu).



Repeat 1 to 3
Phinda iminyathelo ukusuka wokuqala (1) uyokufika kweyesithathu (3)



Always wear protective clothing.
Gxiba impahla zokuzikhusela xa uzakusebenzisa ityhefu ebulala izinambuzane nokhula ezityalweni.

Remember! Khumbula!

Puncture the rinsed container to render it useless and send to a CropLife SA approved recycler.
Gqobhoza imbombozi emveni kokuyihlamba ukuthi ingasetyenziswa uze uyithumele kubantu abavunyelweyo nguCropLife SA ukuba bazisebenzise ngokwenza ezinye izinto ngegogogo (okanye imbombozi).

CropLife SOUTH AFRICA SUID-AFRIKA +27 (0)87 940 4168 info@croplife.co.za

REMEMBER THAT PET CONTAINERS CAN ONLY BE INCINERATED AFTER TRIPLE RINSING

TRIPLE RINSING PROTOCOL FOR POLYPROPYLENE (PP) AND LOW-DENSITY POLYETHYLENE (LDPE) PESTICIDE AND PP TREATED SEED BAGS

PESTICIDE PP AND LDPE BAGS



PP

- i. Turn the bag inside out
- ii. Shake it over the spray tank for 30 seconds
- iii. Rinse the bag with a jet of water for 30 seconds over the spray tank
- iv. Shake all rinse water off into the spray tank
- v. Repeat the spraying and shaking off 3 times
- vi. Remove all cotton stitching from the bag
- vii. Puncture the bag with a sharp object
- viii. Tie the rinsed bags into bundles
- ix. Dispose of the bags *via* a CropLife SA certified recycler



LDPE

TREATED SEED PP BAGS

- i. Turn the bag inside out
- ii. Shake all visible particles off the bag onto the planting area
- iii. Rinse the bag with a jet of water for 30 seconds over the planting area
- iv. Shake all rinse water off onto the planting area
- v. Repeat the spraying and shaking off 3 times
- vi. Remove all cotton stitching from the bag
- vii. Puncture the bag with a sharp object
- viii. Tie the rinsed bags into bundles
- ix. Dispose of the bags *via* a CropLife SA certified recycler



DISPOSING OF TRIPLE RINSED EMPTY PACKAGING AND SEED BAGS

Contact a CropLife South Africa certified recycler for disposal of triple rinsed empty packaging and seed bags. Find a recycler in the latest edition of the list of CropLife SA Certified Recyclers on the website:

https://croplife.co.za/Collectors_Recyclers

Arrange with the service provider to deliver the triple rinsed empty pesticide packaging and seed bags to their premises or to have it collected from the farm if they offer such services.

Insist on being issued with a CropLife South Africa CoDi Intel Declaration for the packaging and bags. It is a compliance requirement for farmers that are audited by certification agencies such as GlobalGAP and certain retailers.

Keep a record of all the CoDi Intel declarations as mentioned above for audit purposes.

Do not dispose of triple rinsed empty packaging and bags through recyclers that have not been certified by CropLife South Africa.

Triple rinsed empty packaging and bags **MUST BE** disposed of at least once every quarter. They may not be accumulated on the farm.

Store the caps separately in a plastic bag or drum to be collected by the recycler.



VERY IMPORTANT: Keep all PET bottles separate from HDPE containers. PET cannot be recycled and must be incinerated