



## PEST CONTROL OPERATOR GUIDELINES

# TRIPLE RINSING AND DISPOSAL OF EMPTY HDPE, PET AND CODE 7 PESTICIDE CONTAINERS

May 2023





# REGULATORY INFORMATION



- Only **triple rinsed and punctured** empty plastic pesticide containers may be recovered, transported and recycled (**except PET pesticide containers which cannot be recycled but must be incinerated after cleaning**). Such triple rinsed containers 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.**
- Containers 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 containers are triple rinsed, **re-using**, **selling** or **donating** it as packaging for any other purposes is unlawful.
- Empty containers may not be **buried** or **burned**; it is a **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 containers. Refer to SANS10206:2020 for verification of this.

**THERE ARE CROPLIFE SA CERTIFIED RECYCLERS THAT CATER ONLY FOR PEST CONTROL OPERATORS; USE THEM TO DISPOSE OF EMPTY PESTICIDE PACKAGING TO COMPLY WITH THE NEM:WASTE ACT**



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



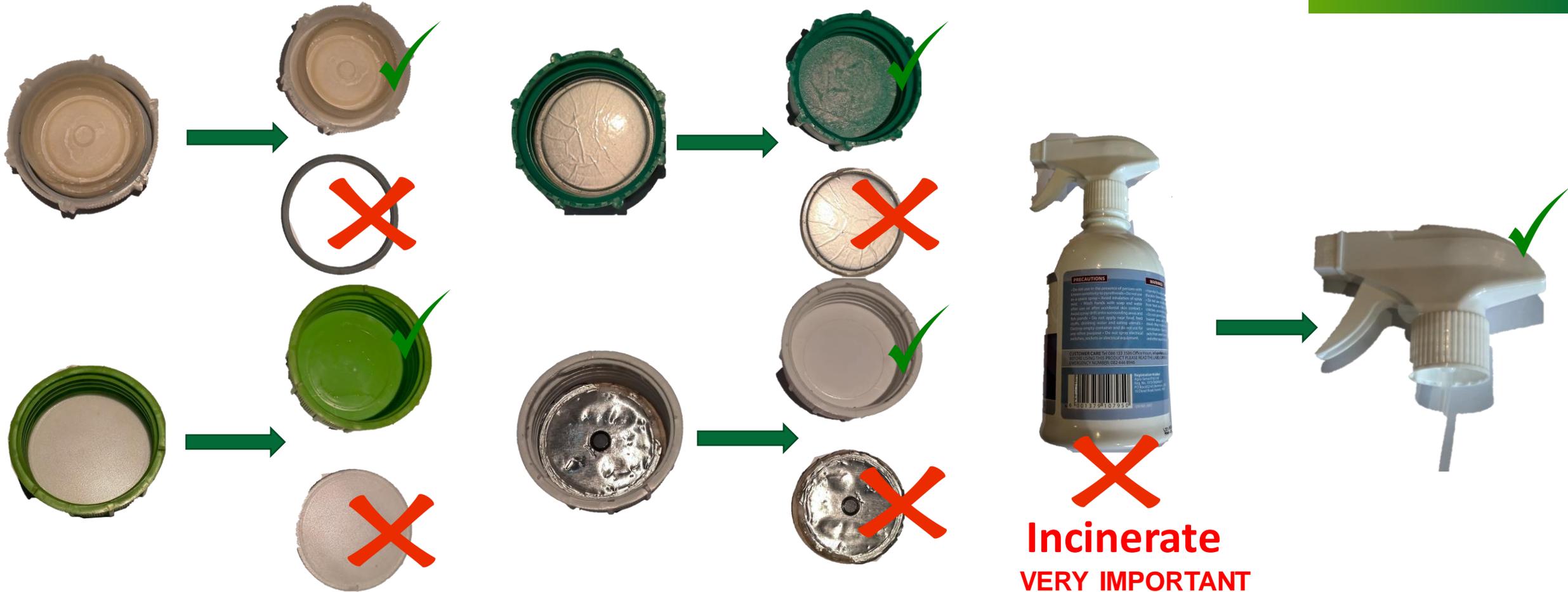
## Identification triangles

- i. **Polyethylene terephthalate (PET or PETE) pesticide** bottles are thin and firm (mostly 1 litre and RTUs)
- ii. **Code 7 co-extruded (COEX) pesticide** containers are usually white and firm to the touch (mostly 1 or 2 litre)
- iii. **High density polyethylene (HDPE) pesticide** containers can be any colour and are general firm, but soft to the touch (different volumes)
- iv. **Polypropylene (PP) pesticide bags and tubs, and solid pesticide** bags can be any colour (bags crumble easily if left in the sun) (large variety of sizes)
- v. **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 MUST BE  
INCINERATED!!**

# REMOVE INSERTS AND SEALS FROM CAPS, AND REMOVE SPRAY HEADS FROM RTU SPRAY BOTTLES & STORE CAPS & SPRAY HEADS IN SEPARATE BAGS AFTER RINSING 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, PET AND CODE 7 PESTICIDE CONTAINERS



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

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 spuitenk 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 spuitenk 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

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

Follow these steps  
Latela ditaalo 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 sehlahle 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.

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

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).

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**REMEMBER THAT PET CONTAINERS CAN ONLY BE INCINERATED AFTER TRIPLE RINSING**

## DISPOSING OF TRIPLE RINSED EMPTY CONTAINERS

- Find a CropLife South Africa Certified Recycler marked **PCOs ONLY** for disposal of triple rinsed empty plastic pesticide containers:
- [https://croplife.co.za/Collectors\\_Recyclers](https://croplife.co.za/Collectors_Recyclers)
- The recycler must complete the CoDi Intel Declaration and issue a copy to the PCO as proof of responsible disposal

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



# TRIPLE RINSING EMPTY PLASTIC DUSTABLE POWDER AND GRANULAR SHAKER CONTAINERS

- Empty plastic shakers that contain granules for scattering (shakers) can also be triple rinsed using the same protocol as for liquid containers
- Empty plastic bags that contain dustable powders must be turned inside out and spray rinsed over fallow soil until clean
- Rinsate must be irrigated over the treated area or fallow soil in the garden
- After triple rinsing, the containers must be punctured, dried and disposed of with other nominally empty plastic containers at a CropLife SA Certified Recycler marked **PCOs ONLY**:  
[https://croplife.co.za/Collectors Recyclers](https://croplife.co.za/Collectors_Recyclers)

The recycler must complete the CoDi Intel Declaration and issue a copy to the PCO as proof of responsible disposal

