



**SAFE AND LEGAL DISPOSAL  
OF OBSOLETE PESTICIDES  
AND CONTAMINATED  
PACKAGING**

**MARCH 2023**





# IMPORTANT NOTICE



**OBSOLETE PESTICIDES ARE PESTICIDES THAT ARE BANNED, PROHIBITED FOR USE, UNWANTED, EXPIRED, SPILLED OR LEFT-OVER AFTER SEASON AND NO LONGER OF ANY USE. ANY PESTICIDE PACKAGING OR CONTAINERS THAT CONTAIN PESTICIDE RESIDUES ARE ALSO CLASSIFIED AS OBSOLETE PESTICIDES!**

**OBSOLETE PESTICIDES ARE CLASSIFIED AS HAZARDOUS WASTE (CATEGORY A) BY THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (ACT NO. 59 OF 2008) AND MAY ONLY BE DISPOSED OF BY LICENSED HAZARDOUS WASTE MANAGEMENT COMPANIES.**

***OBSOLETE PESTICIDES MAY NOT BE BURIED OR BURNED ON ANY PREMISES, DUMPED INTO WATER BODIES OR DISPOSED OF IN ANY LANDFILL SITES!!! IT IS EXTREMELY DANGEROUS AND LIFE-THREATENING TO DO SO!!***

## DISCLAIMER

**CropLife South Africa accepts no responsibility for services rendered by any service providers**

***DISPOSE OF OBSOLETE PESTICIDES RESPONSIBLY - IT IS THE RIGHT THING TO DO!***

# SAFEGUARDING AND SECURE STORAGE

## SAFEGUARDING AND SECURE STORAGE OF OBSOLETE PESTICIDES

- 1 Ensure, where possible, that obsolete pesticides are in their original containers with their original labels. If labels are damaged, spray over with clear lacquer to preserve labels. Once dried off, cover with thick polyethylene plastic and seal with duct tape.
- 2 If containers are perished or leaking, put such containers into large plastic, open-head drums (over-drums) with their containers as described in paragraph 1 and seal the lids of the open-head drums. Make a list of the products in drums for the inventory as described further down. Make two 8 mm holes in the drum lid to balance pressure.
- 3 Obsolete pesticides without any identification must be marked as **UNKNOWN** in red paint.
- 4 Mark all obsolete pesticides (in original containers or drums) with the words **HAZARDOUS WASTE** in red paint.
- 5 Place the obsolete pesticides in a cool, secure, well ventilated and lockable area in a store with a concrete floor on pallets covered in thick plastic sheeting. This area must not be exposed to direct sunlight.
- 6 Compile a complete inventory of the obsolete pesticides as described in the Annexure. Find labels and safety data sheets (SDSs) on [www.agri-intel.com](http://www.agri-intel.com), print and keep these documents in a file. These documents will be required by the hazardous waste management service provider.
- 7 Ensure that no unauthorized persons gain access to the obsolete pesticide storage area.



# INVENTORY AND RECORD KEEPING

## EXAMPLE OF AN OBSOLETE PESTICIDES INVENTORY

| Nr | Trade name | Form  | Active ingredients | No | CT  | CC | CVM   | RVM   | O-D   |
|----|------------|-------|--------------------|----|-----|----|-------|-------|-------|
| 1  | Azodrin    | SL    | Monocrotophos      | 6  | ST  | PL | 25 l  | 70 l  | 2,6,8 |
| 2  | Chlordan   | EC    | Chlordane          | 2  | ST  | NL | 20 kg | 40 kg | ----  |
| 3  | Paragon    | SL    | Paraquat           | 4  | PL  | NL | 20 l  | 50 l  | ----  |
| 4  | Gaucho     | FS    | Imidacloprid       | 1  | FLB | PL | 10 kg | 5 kg  | 1     |
| 5  | Unknown    | Solid | Unknown            | 1  | PL  | NL | 15 kg | 10 kg | ----- |
| 6  | Sanacarb   | GR    | Aldicarb           | 13 | FLB | PL | 20 kg | 95 kg | 3,4,7 |

**FORM:** formulation such as EC, SC, WG, FS, SL (see next page for list) or if unknown just record as Solid or Liquid

**No:** number of containers

**CT:** container type namely ST (steel drum), PL (plastic drum), AC (aluminium canister), PB (plastic bag), FLB (foil lined paper bag or box), PLP (plastic lined paper bag or box), PGC (pressurized gas cylinder)

**CC:** container condition namely NL (not leaking), PL (perished and leaking)

**CVM:** container volume or mass in milliliter or liter, gram or kilogram

**RVM:** residual volume or mass of obsolete pesticide in milliliter or liter, gram or kilogram

**O-D:** over-drum number (if stored in an over-drum)



# FORMULATIONS

## PESTICIDE FORMULATIONS AND ABBREVIATIONS

|    |   |       |   |
|----|---|-------|---|
| AE | Aerosol                                 | HN    | Hot fogging concentrate                     |
| AL | Other liquids (self defined)            | KN    | Cold fogging concentrate                    |
| BB | Bait block                              | LS    | Solution for seed treatment                 |
| CB | Bait concentrate solid or liquid        | RB    | Bait ready for use                          |
| CS | Capsule suspension                      | SC    | Suspension concentrate                      |
| DC | Water dispersible concentrate           | SL    | Soluble concentrate                         |
| DF | Dry flowable water dispersible granule  | SP    | Water soluble powder                        |
| DP | Dusting powder                          | UL(V) | Ultra low volume liquid                     |
| EC | Emulsifiable concentrate                | VP    | Vapour releasing product                    |
| EW | Emulsion, oil in water                  | WG(D) | Water dispersible granule                   |
| FS | Flowable concentrate for seed treatment | WP    | Wetable powder                              |
| GA | Gas in pressurized containers           | WS    | Water dispersible powder for seed treatment |
| GR | Granule ready for use                   | XX    | Other formulations                          |



# HAZARDOUS WASTE MANAGEMENT COMPANIES

| CROPLIFE SOUTH AFRICA RECOMMENDED HAZARDOUS WASTE MANAGEMENT COMPANIES |   |
|--|---|
| 1  | A-Thermal Retort Technologies (Pty) Ltd situated in Olifantsfontein for high temperature thermal destruction offers services nationwide <b>011-316-1800</b> |
| 2  | EnviroServ for safeguarding, transport, storage and disposal nationwide <b>0800-147-112</b>   |
| 3  | Interwaste Environmental Solutions for transport, storage and disposal nationwide <b>011-323-7300</b>   |
| 4  | Rapid Spill Response for spill containment, clean-up and disposal nationwide <b>0861-113-467</b>  |
| 5  | Oricol Environmental Services (Pty) Ltd for disposal nationwide <b>031-579-2584</b>   |
| 6  | Lafarge South Africa Holdings (Pty) Ltd cement kiln situated in Lichtenburg for high temperature incineration <b>011-657-0000</b>                           |
| 7  | Spill Tech for spill containment, clean-up, transport and disposal nationwide <b>0861-000-366</b>   |
| 8  | Drizit Environmental for spill containment, transport, clean-up and disposal nationwide <b>0800-202-202</b>   |

**DO NOT USE SERVICE PROVIDERS THAT ARE NOT LICENSED BY THE ENVIRONMENTAL AUTHORITIES TO DISPOSE OF HAZARDOUS WASTE. ASK FOR A COPY OF THE SERVICE PROVIDER'S HAZARDOUS WASTE MANAGEMENT LICENSE TO VERIFY ITS STATUS.**

