

STEWARDSHIP

Unlocking the possibilities of our products for
customers and consumers for generations to come.

Protecting the future.





Farmers are the original and best stewards of the land and natural resources.

“Corteva is committed to helping our customers continue this legacy of stewardship as we deliver innovations to contribute to their operation’s productivity and sustainability.”

Bill Belzer, Global Stewardship Director

Product Stewardship at Corteva

Our stewardship efforts encompass the needs of those who produce and those who consume. We are dedicated to executing strategies and delivering innovations to provide safe and reliable food as well as continuing efforts to protect the environment for generations to come.

Integrity and responsibility

We always aim to do what’s right, maintaining high ethical standards and conducting business safely and transparently. This includes providing information for safe and responsible use of our products through training, education, and product literature, enabling success for our customers and building confidence with consumers.

Safety

Corteva embraces safety and the environment in all that we do. Stewardship supports users to diligently follow regulatory requirements and best management practices, ensuring safety for those who produce and a safe and nutritious food supply for all.

Product performance

A grower’s success depends on the quality, integrity and performance of seed, crop protection, agronomic, and digital agriculture solutions. We aspire to exceed consumer, farmer, and societal needs through full product lifecycle stewardship, consistent product performance, and continuous improvement.

Customer success

Stewardship is at the heart of being a farmer-focused business. Corteva collaborates with our farmer customers to understand their business, advise on the best seeds and crop protection solutions for their operation, and help optimize land and resource management. Correctly using the right products at the right time helps ensure grower success while stewarding the land and our natural resources.

Sustainability

We’re committed to product stewardship and farmer-focused programs to help ensure the right type and amount of inputs are being used to enhance yields while helping to protect biodiversity, wildlife, water, land and air.



Did you know that South Africa has implemented the Globally Harmonized System of Classification and Labelling (GHS) for hazardous chemical products which includes crop protection products e.g. fungicides, insecticides and herbicides?

The Globally Harmonized System (GHS) is an international system that the United Nations created for the unified classification and labelling of chemicals.

What's on the label?

1 Signal words:

A signal word is used to indicate the product's relative level of severity.

- **Danger:** Indicates more severe hazards
- **Warning:** Indicate less severe hazards.

2 Hazard statements:

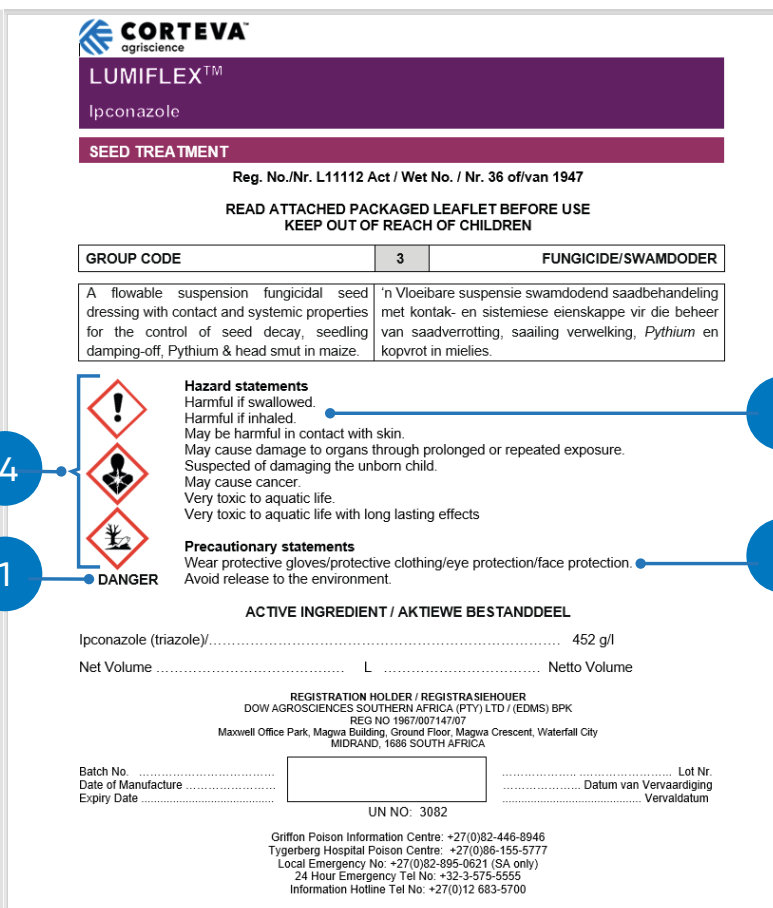
A statement assigned to a hazard class and category that describes the nature of the hazards of a pesticide.

3 Precautionary statements:

A phrase that describes recommended measures that should be taken to minimise or prevent adverse effects, resulting from exposure, handling or improper storage of a pesticide.

4 Hazard symbols:

Pictograms are used to identify hazardous products and are commonly grouped by chemical, physical, health and/or environmental risk.



CORTEVA™
agriscience

LUMIFLEX™
Ipconazole

SEED TREATMENT

Reg. No./Nr. L11112 Act / Wet No. / Nr. 36 of/van 1947

READ ATTACHED PACKAGED LEAFLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN

GROUP CODE	3	FUNGICIDE/SWAMDODER
A flowable suspension fungicidal seed dressing with contact and systemic properties for the control of seed decay, seedling damping-off, Pythium & head smut in maize.		'n Vloeibare suspensie swamdodend saadbehandeling met kontak- en sistemiese eienskappe vir die beheer van saadverrotting, saailing verwelking, Pythium en kopvrot in mielies.

Hazard statements
 Harmful if swallowed.
 Harmful if inhaled.
 May be harmful in contact with skin.
 May cause damage to organs through prolonged or repeated exposure.
 Suspected of damaging the unborn child.
 May cause cancer.
 Very toxic to aquatic life.
 Very toxic to aquatic life with long lasting effects

Precautionary statements
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid release to the environment.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

Ipconazole (triazole)/..... 452 g/l

Net Volume L 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

Batch No. Lot Nr.
 Date of Manufacture Datum van Vervaardiging
 Expiry Date Vervaldatum

UN NO: 3082

Griffon Poison Information Centre: +27(0)82-446-8946
 Tygerberg Hospital Poison Centre: +27(0)86-155-5777
 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

For more information and training contact:

Dr. Andri Visser, RSA Stewardship Manager for Corteva Agriscience

072 436 6161 | andri.visser@corteva.com



Hazard symbols according to the Globally Harmonized System of Classification and Labelling (GHS).

Flame



Gases, aerosols, liquids, or solids that will burn or ignite under certain conditions.

Flame Over Circle



Substance is an oxidizer. Oxidizers may cause a fire by increasing the concentration of oxygen in the air.

Environment



Pesticide may present aquatic toxicity.

Exclamation Mark



- Irritant—irritates the skin or eyes
- Skin sensitizer—an allergic response following skin contact.
- Acute toxicity—which may be fatal or cause organ damage from a single short-term exposure.

Corrosion



Substance causes skin burns, eye damage, or destroys metals.

Skull And Crossbones



Substances with a hazard of acute toxicity. Acute toxicity means that exposure to a single dose of the chemical may be toxic or fatal if inhaled or swallowed, or if it comes into contact with the skin.

Gas Cylinder



Substance is a compressed, liquefied, or dissolved gas under pressure.

Exploding Bomb



- Explosives—which is a solid or liquid chemical capable of a chemical reaction that causes damage to the surroundings.
- Self-Reactive heating may cause fire or explosion without the need for air.
- Organic peroxides— heating may cause fire or explosion.

Health Hazard



- Carcinogen—may cause cancer
- Reproductive toxicity—may damage fertility or the unborn child
- Mutagenicity—may cause genetic defects
- Respiratory sensitizer—may cause respiratory irritation
- Target organ toxicity—may cause damage to bodily organs
- Aspiration toxicity—may be fatal if swallowed and it enters the airways

PRE-GHS LABEL REQUIREMENTS

		Product trade name	Note regarding use	
		BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY		
			FUNGICIDE	Product group
Registration number		A-WONDER REMEDY		
		Reg. No Lxxxx, Act/Wet No./Nr. 36 of/van 1947		
Batch no. and date of manufacture		An emulsifiable concentrate, systemic fungicide for the control of powdery mildew on crops as listed.	'n Emulgeerbare konsentraat, sistemiese swamdoder vir die beheer van poeieragtige meeldou op gewasse soos aangedui	Declaration regarding formulation and use
		FRAC FUNGICIDE GROUP CODE	5	FRAC SWAMDODERGROEPKODE
		ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		
		Spiroxamine (spiroketalamine) 500 g/l Spiroksamien (spiroketalamien)		
Registration holder		Registration Holder / Registrasiehouer A-Chemicals (Pty) Ltd (Reg No. 67/07147/07) PO Box 005, Chemtown, 1234 Tel: (011) 555-12345		
Emergency number		Emergency Number: 082-446-8946		
Net volume/mass		5l		
UN number (transport information)		UN Number:		

COLOUR CODES

	CAUTION / VERSIGTIG
	HARMFUL / SKADELIK
	TOXIC / GIFTIG










PICTOGRAMS

Storage	
Handling	
Applications	
Warnings	

GHS LABEL REQUIREMENTS

Product trade name		Note regarding use	
BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY		FUNGICIDE	
A-WONDER REMEDY		Product group	
Registration number	Reg. No Lxxxx, Act/Wet No./Nr. 36 of/van 1947	Declaration regarding formulation and use	
An emulsifiable concentrate, systemic fungicide for the control of powdery mildew on crops as listed.		'n Emulgeerbare konsentraat, sistemiese swamdoder vir die beheer van poeieragtige meeldou op gewasse soos aangedui	
FRAC FUNGICIDE GROUP CODE		5	FRAC SWAMDODERGROEPKODE
Resistance group code			
ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL		Active ingredient and quantity	
Spiroxamine (spiroketalamine) 500 g/l Spiroksamien (spiroketalamien)		Hazard statements (must have heading and be on the right of the pictogram)	
Hazard statement		Precautionary statements	
• Fatal if swallowed		• Wash hands thoroughly after handling	
• Do not eat, drink or smoke when using this product		• IF SWALLOWED: Get emergency medical help immediately	
• Specific treatment (refer to safety data sheet)		• Rinse mouth	
• Store locked up		• Dispose of contents / container in accordance with local regulations	
Pictogram		Precautionary statements (must have heading and be linked to the specific hazard statement)	
Signal word (must be below pictogram)		DANGER	
Registration holder		Company trademark and name	
Emergency number		A-CHEMICALS	
Client service number			
Net volume/mass			
UN number (transport information)			

GHS HAZARD GROUPS AND PICTOGRAMS

	Explosive		Chemicals under pressure		Exclamation mark
	Flammable		Corrosive		Health (chronic toxicity)
	Oxidising		Acute toxicity		Environment

SIGNAL WORDS: WARNING | DANGER

GHS STATEMENT EXAMPLES

Acute Toxicity Category 1 (oral exposure)

Hazard statement

- H300 – fatal if swallowed

Precautionary statements

- Prevention
 - P264: Wash hands thoroughly after handling
 - P270: Do not eat, drink or smoke when using this product
- Response
 - P301+P316: IF SWALLOWED: Get emergency medical help immediately
 - P321: Specific treatment (refer to safety data sheet)
 - P330: Rinse mouth
- Storage
 - P405: Store locked up
- Disposal
 - P501: Dispose of contents / container in accordance with local regulations

Note that the codes (Hxxx/Pxxx) must appear on the safety data sheet, but may be omitted from the label.

The chemical identity of all ingredients contributing to the final GHS classification of the remedy needs to be disclosed on the product label

ALWAYS READ PESTICIDE LABELS BEFORE USE

WHY IS IT IMPORTANT TO READ THE PESTICIDE LABEL?



It is the primary source of information about the product



It has information about recommended crops and pests to use the product on, dose and application rates, and other essential information.



It has information on how to handle pesticides while protecting your health and the environment



Contains information about the first aid measures and antidotes in case of intoxication

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ALWAYS READ THE LABEL BEFORE USE

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Pesticide X

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Icons: flame, skull, biohazard, etc.



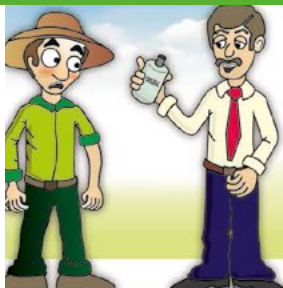
REMEMBER: KEEP THE LABEL AT HAND AND ASK FOR ASSISTANCE IF YOU CANNOT READ THE LABEL



RESPONSIBLE USE OF PESTICIDES

FOLLOW THESE 9 EASY STEPS

- 1** Only use registered pesticides when needed. Get advice before buying pesticides and only purchase them at authorised retailers.



- 2** When transporting pesticides make sure they are securely stored away from people, animals and food.



- 3** When storing pesticides make sure they are kept in a well-ventilated, securely locked place, away from children and pets.



- 4** Carefully read the product label and leaflets and follow the instructions. Never use for any other purpose or manner than that stated on the label.



- 5** Check sprayer regularly for leaks and that nozzles work properly. Wear personal protection equipment while mixing and loading.



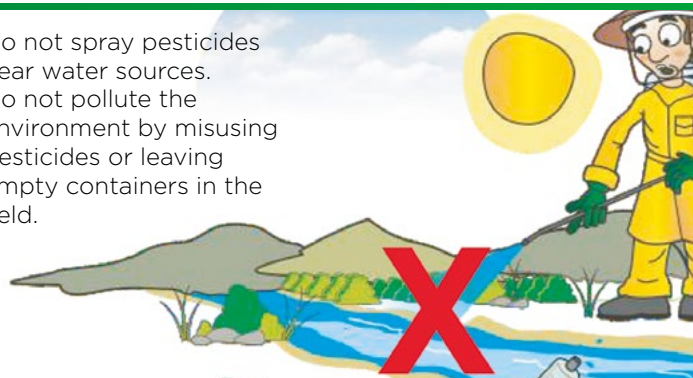
- 6** Triple rinse empty pesticide containers into the spray tank. Then puncture the container so that it cannot be used for water or food storage. Take empty, rinsed containers to the nearest CropLife SA certified collection site.



- 7** While spraying pesticides, always wear personal protection equipment and only use calibrated equipment with no leaks. Spray early in the morning or late in the evening when it is less windy. Do not eat, drink or smoke while spraying.



- 8** Do not spray pesticides near water sources. Do not pollute the environment by misusing pesticides or leaving empty containers in the field.



- 9** After spraying pesticides, take a shower and put on clean clothes. Wash the spray equipment and personal protection. Store all equipment separately and safely.



In case of accidental contamination, wash and apply first aid according to the label. Call the poison information centre for advice and take the person to the nearest medical centre and take the product label with you.



TRIPLE RINSE YOUR EMPTY PESTICIDE CONTAINERS / SPOEL JOU LEË PLAAGDODERHOUEERS DRIE KEER

Follow these steps | Volg hierdie stappe:

1



Pour leftover 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.

2



Fill with one quarter clean water.
Vul met 'n kwart skoon water.

3



Shake for 30 seconds.
Skud vir 30 sekondes.

4



Pour into spray tank for 30 seconds.
Giet in spuittenk vir 30 sekondes oor.



Always wear protective clothing.
Dra altyd beskermende klere.

Follow steps
2 - 4
**Volg stappe
2 - 4**

X3

5

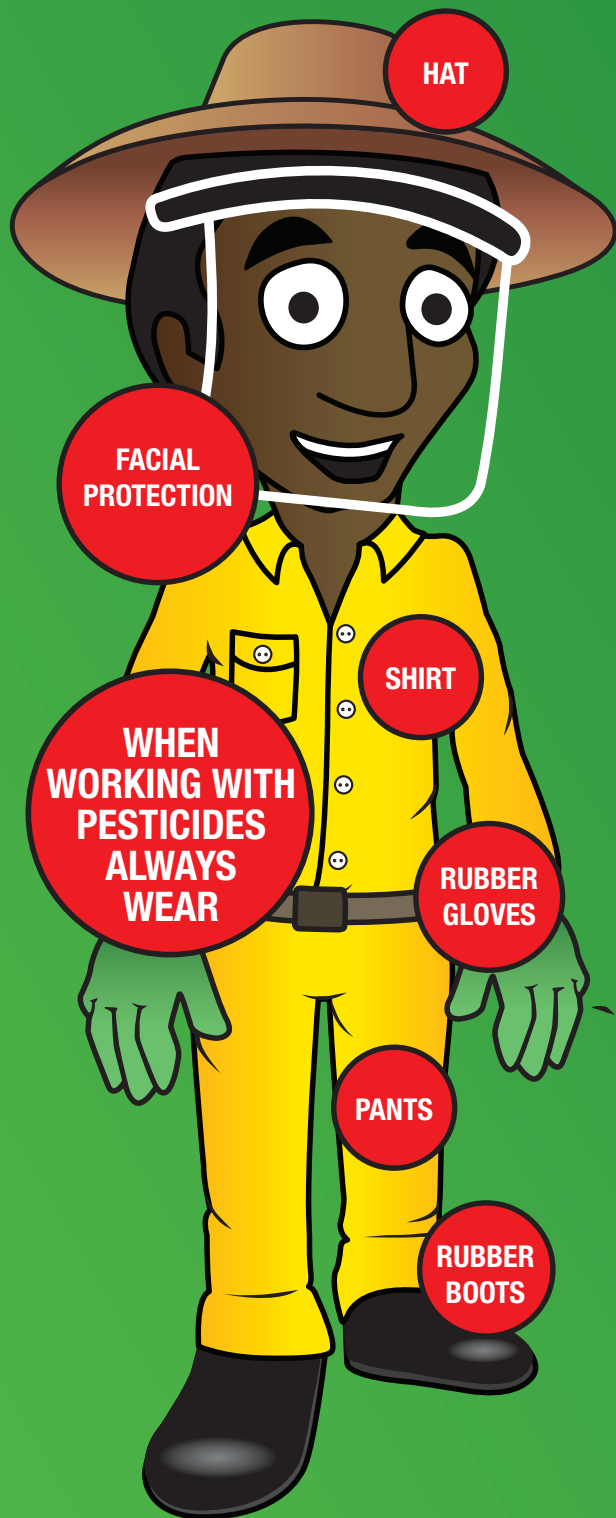


Puncture the rinsed container to render it useless and send to a CropLife SA certified recycler.
Kap gate in die gespoelde houer om dit onbruikbaar te maak en stuur na 'n CropLife SA gesertifiseerde verwerker.



BE SMART AND SAFE

ALWAYS WEAR THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN WORKING WITH PESTICIDES



WHEN DECANTING, MEASURING AND MIXING



WHEN SPRAYING, DUSTING OR APPLYING GRANULES



WHEN CLEANING APPLICATION EQUIPMENT



Wear a mask when working with granules, powders or dustable powders.

Wear a respirator when working with very toxic and toxic substances and spray mixtures.

Wear a face shield when working with other pesticides.

Wash shirt, pants and hat daily.

Wash boots, gloves and face shield daily.

Clean respirator daily and replace filters regularly.

Discard the face mask if it was used.

Wash hands, arms, face and neck with soap and cool water.

READ THE PESTICIDE LABEL FOR ANY SPECIAL INSTRUCTIONS ABOUT PERSONAL PROTECTION

FIRST AID for

PESTICIDE CONTAMINATION

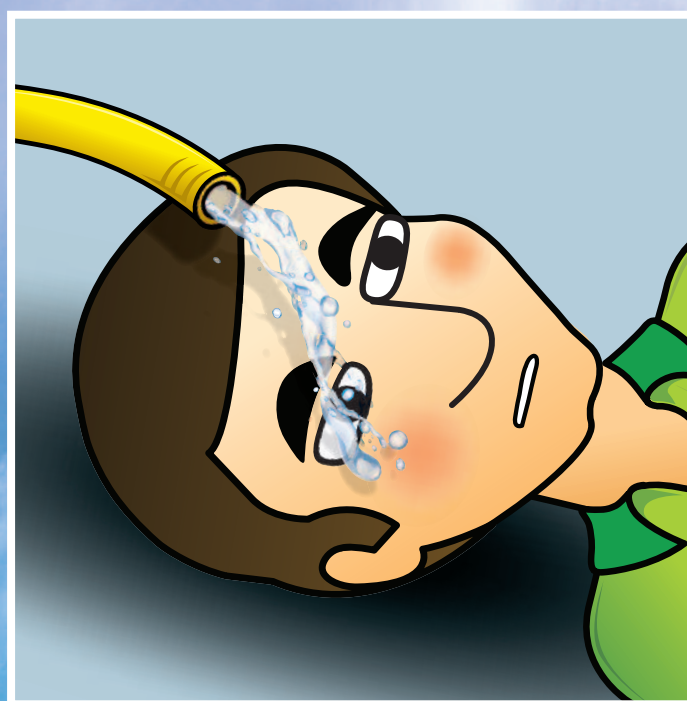


It is easier to prevent poisoning than to treat it, so always read the label instructions. In case of any incident, these are the steps you should follow:



SKIN

If pesticides get in contact with your skin, remove any contaminated clothing and wash the skin with abundant soap and water.



EYES

If pesticides get in contact with your eyes, wash with a gentle stream of cool clean water for at least 15 minutes. Wash each eye individually, from inside out, to prevent cross contamination.



INHALATION

If you accidentally breathe in pesticides, find a ventilated place where you are able to get some fresh air. Loosen your shirt and belt. If breathing stops, artificial respiration must be performed on the casualty using proper equipment.



MOUTH

If you accidentally swallow pesticides, you must seek medical help as quickly as possible. Do not drink anything. Keep calm and comfortable as much as you can and do not induce vomiting.



Remember, ensure your own safety before helping others, and after taking these first aid steps, seek medical help as quickly as possible and bring the product label with you.

HOW TO STORE PESTICIDES



- ➡ Only buy pesticides from authorized retailers.
- ➡ Buy pesticides according to your needs to reduce storage time and surpluses.
- ➡ Comply with local regulations concerning pesticide storage.
- ➡ Pesticides must be securely stored out of reach of children and away from food, pets, animals and unauthorized people.
- ➡ The store place should be dry and well ventilated.
- ➡ If a leak happens, put on protective clothing according to the label, soak up the spill with dry sand, dispose of the contaminated sand and leaking container safely. Finally clean yourself, the protective clothing and the equipment.