



Knowledge grows



# Yara's Guide to the Safe Use of Fertilisers on Farm



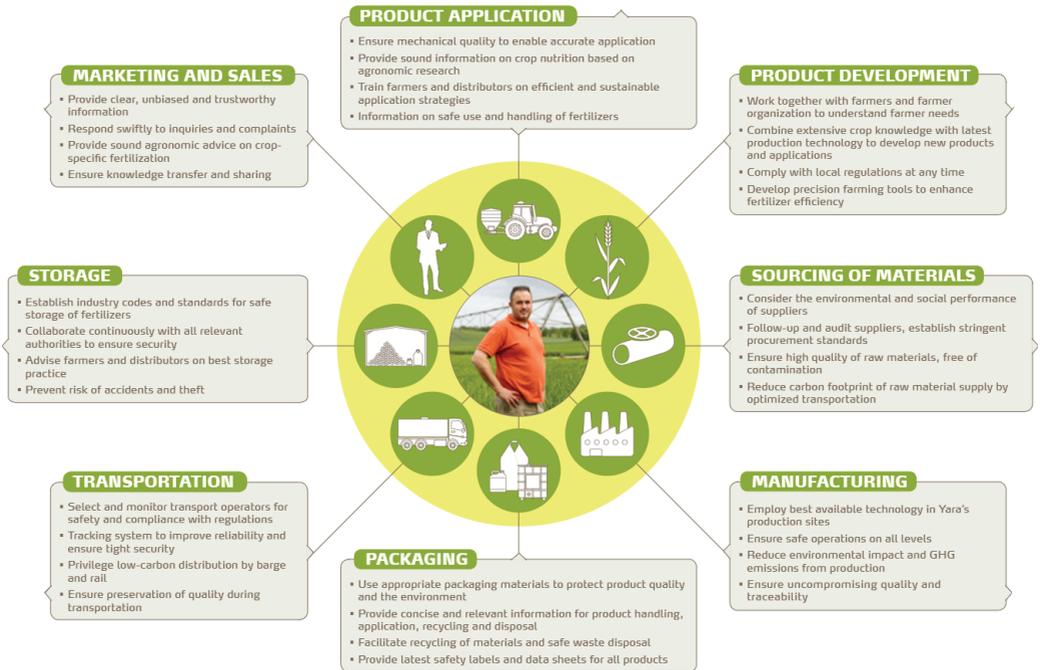
## What is Product Stewardship?

Product stewardship is the act of minimizing the health, safety, environmental and social impacts of a product and its packaging throughout all lifecycle stages. It also involves maximizing economic benefits.

That means Product stewardship is the practice of ensuring proper care is taken throughout the entire fertilizer value chain.

This includes:

- Product development
- Purchase of raw materials
- Production
- Storage and distribution
- Sales, delivery and use on the farm



# Product Stewardship in Yara

Yara follows strict principles of product stewardship. That means at every stage of the product value chain we take responsibility to ensure that products are not misused, product are handled very carefully to ensure product quality is not hampered, product owner at different stage i.e- transporter, dealer and farmer are made aware of the safety, security aspects and environmental impact of the products.

Yara is committed to deliver the best quality products, to ensure that we systematically monitor and review the quality, handling and use of all our products, ensuring that proper care is taken along the entire value chain

## What Does Product Stewardship mean for fertiliser Farmers?

Farmers can reduce costs and environmental impacts by following, yara product stewardship programs.

By guiding the farmers to the right crop plan in the product stewardship, such as right type of fertilizer, right quantity, right time ensures that the unwanted use of fertilizers in the field can be reduced. By adding required nutrients to the crops, farmers can increase their yield and nutrition in the crops, which is beneficial for all.

Product stewardship benefits both farmers and the environment by enhancing crop soil health, improving yields, reducing costs, greenhouse gas emissions and water pollution. Good quality crop provides better economic benefits to farmers and healthiness to the user.





**Take care of yourself and your loved one's**

### **While buying fertilisers think over this**

- Which fertiliser is appropriate for your crop at that particular stage of crop ?
- What is the recommendation for the observed problem ? consult our agronomist for expert opinion.
- Buy from a reputed and licensed store.
- Buy only required quantity and not to go for bulk purchase.
- Do not buy damaged or leaky containers.
- See the expiry date.

### **During Application**

- Before using products always read labels & Safety data sheet(SDS), SDS contains important information on potential hazards and how to minimize associated risks.
- SDS can be accessed in both Hindi and English language at : <https://www.yara.in/safety-data-sheets> Don't work alone while handling and applying.
- Don't allow children and animals near mixing and application site.
- Use long wooden stick for mixing.
- Mix only the quantity that you need for the next application.
- Avoid excessive spraying and unintended site application.
- Read the label and instructions carefully before opening the pack.
- Never eat and drink while applying.
- Use Personal Protective Equipment (PPE), particularly long shirt and pants, closed shoes as well as protection mask and gloves.

- Avoid application during rainy period.
- Avoid windy conditions and do not spray against wind direction.

### After application

- Immediately after application take bath and change cloths.
- All clothes must be washed after spraying/ dusting and wash them separately.
- While cleaning see that water used for cleaning should not enter the drinking water stream/wells.
- Do not go into the treated field until the recommended safety period has passed.

### Safe storage of fertiliser

- If you intend to store remaining fertiliser for some time, seal fertilizer bags properly after opening to maintain good quality
- Where possible store the fertilizers in an enclosed, secure store.
- Avoid direct contact with eyes and skin. Wash hands after use
- Store fertilizer away from Children, animals, food, cooking areas
- DO NOT smoke or use fire near fertilizer
- DO NOT store fertilizer near to chemicals, oil, pesticides, combustible materials (e.g. wood, paper, plastics, hay, straw); there may be a risk of chemical reaction or fire
- Fertiliser products need to be kept under close surveillance. Because it can be sensitive due to adulteration or misuse of fertilizer in any other use



# Take care of the environment

Being the end user of the product, you have a major role in the product stewardship program to keep yourself and family members safe, protect the environment and effectively use fertilisers.

## Avoid contamination of water

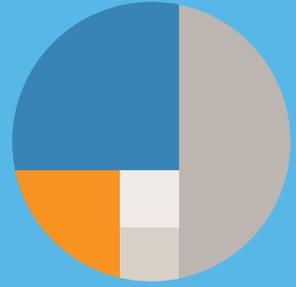
- If not stored correctly, fertilizers can become a major source of contamination of ground and surface water.
- Wherever possible, fertilizers should be stored at least 10 metres away from a watercourse or field drain and well away (e.g. 50 metres) from a borehole, well etc..

## Recycling of packaging Material

- After removing the fertilizer from the bag, empty the bag thoroughly, the outside bag can be reused, but do not use the inner liner(plastic bag inside).
- Do not use bottles again after using liquid fertilizers
- Empty packages may be disposed of as non-hazardous material or returned for recycling.
- There are national guidelines that need to be followed regarding the recycling of packaging materials. Typical points to consider are:
  - Consider reuse options.
  - Empty, triple rinse and drain all liquid product containers; dispose of rinse water safely, preferably into the spray tank at the time of use.
  - Fully empty out powder packaging.
  - Segregate the emptied packaging material according to its type.
  - Look for the appropriate symbols when recycling.

## Disposal of Packaging Material

- Ensure responsible disposal of packaging after consumption of fertilizer Farmers should always keep fertilizers and insecticides in locks and away from children, animals.
- Don't use it for food and feed storage.
- Do not sell empty containers.
- Do not wash the used containers in community water sources.



## Be prepared for Emergencies

- If there is a huge fire, leading to decomposition of fertilisers, only with water shall be used to extinguish.
- A decomposition releases toxic fumes, never breathe toxic white smoke.
- If storing fertilizer in large quantity, it is advisable to have an evacuation plan and make staffs/family members aware of it.
- Keep a list of emergency contacts and ensure they are updated.
- Yara has tied up with the National Chemical Emergency Center which can provide important steps to handle any emergency with our products. NCEC can be contacted by calling **0008001007479**, the caller may also ask for a hindi translator if required.

### First aid measures for fertiliser poisoning

- In case of skin contact, remove contaminant contacts and wash with clean water.
- In case of unconscious and breathing stops take the patient to doctor at the earliest.
- Take the container and product Safety Data Sheet along with patient to consult doctor. SDS contains technical details and firstaid measures of the products which can be helpful for further treatment, SDS can be downloaded from Yara India website : <https://www.yara.in/safety-data-sheets/>

**EMERGENCY  
PREPAREDNESS**



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## Hazard symbols and their meaning

Crop nutrition products may be associated with certain hazards as mentioned below :



May intensify fire; oxidizer



May cause serious eye irritation; harmful if swallowed



Causes severe eye damage



Suspected fertility damage or damage to unborn child



Very toxic to aquatic life with long lasting effects.

Please scan this QR CODE or use below link to download safety data sheet to know more about safe handling and use of Yara Products  
<https://www.yara.in/safety-data-sheets/>



Call CareChem 24x7 on 000 800 100 7479 or 1800 121 9272 (09:00 Hrs to 18:00 Hrs)  
in case of any product related emergency



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For more information on Product Stewardship  
please scan this QR code or visit our website  
[www.yara.in](http://www.yara.in)



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