

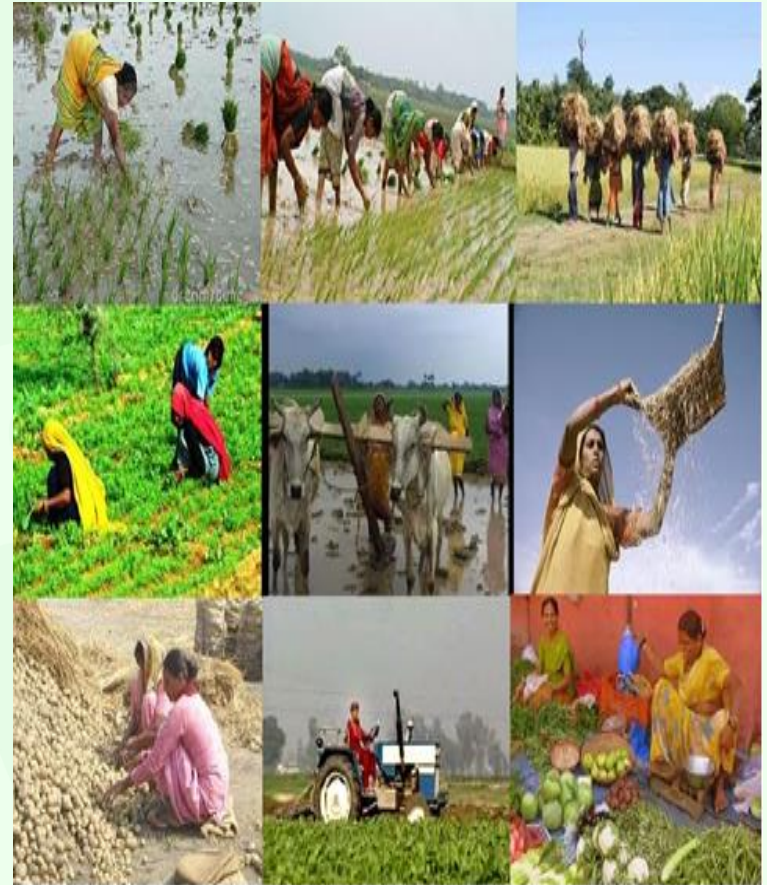
# PROSUPER 80

## A Silicon based Activator, Wetter & Spreader



# Indian Agriculture: Changing Landscape

- Gaining significance with industrialization
- Shrinking base
- Increasing input cost and less profitability
- Looking for effective use of water
- Farmers raring to export to get better pricing of their produce
- Increasing soil toxicity with indiscriminate chemicals use
- Chemicals and fertilizers causing harm to soil and productivity
- Posing threat to environment
- Reduced performance and effectiveness of pesticide



# Presenting PROSUPER 80

- Prosuper-80 is a universal nonionic spray adjuvant concentrate .
- It is a Activator-Wetter-Spreader for Pesticides.
- Prosuper-80 when added to pesticide mixture (fungicides, herbicides and insecticides) , foliar fertilizers, defoliators, and plant nutrients increases their performance and effectiveness.
- It helps them in better control of insects, weeds and disease on crops.



# Function of PROSUPER 80

- PROSUPER-80 reduces the surface tension of water. So, after mixing with PROSUPER-80 makes water and whatever pesticide it is carrying wetter. The most important thing is that it helps the pesticides spread better and hence gives better disease control.

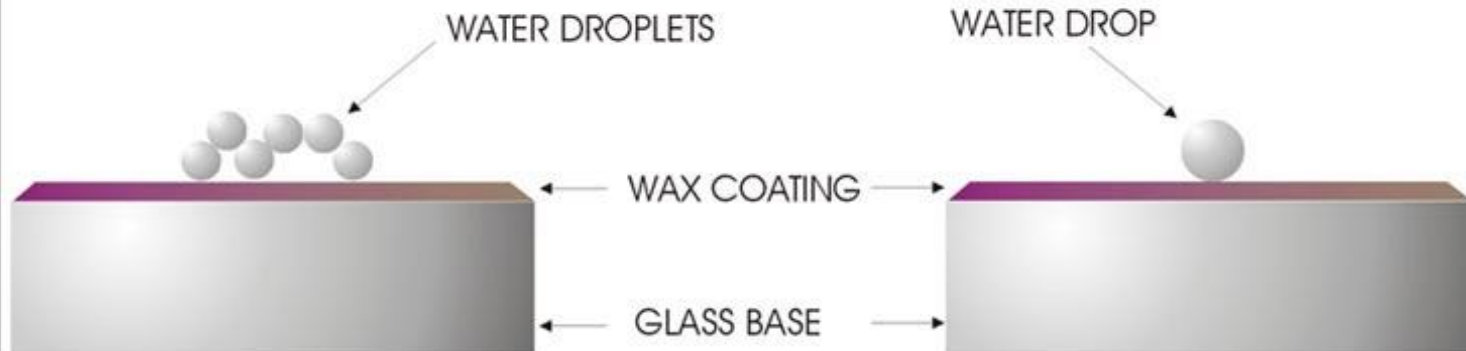




# What is Surface tension of Water

## **SURFACE TENSION**

SURFACE TENSION is the tendency of the surface molecules of a liquid to be attracted towards the centre of the liquid body.



Since water molecules are attracted to each other causing surface tension, a nearly spherical droplet is formed.

# How PROSUPER-80 breaks Surface Tension

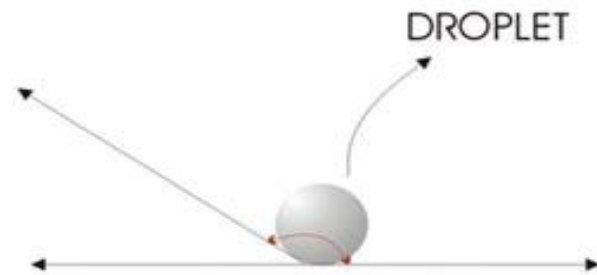
## Wetting Agents:

A wetting agent increases a liquid ability to moisten a solid. It does the job by lowering surface tension (interfacial), bringing the liquid into intimate contact with the solid.

The degree of effectiveness of a wetting agent is determined by measuring the "contact angle".



WAXY LEAF-WITH WETTING AGENT



WAXY LEAF-WITHOUT WETTING AGENT

Wetting Agents are useful at low gallonage sprays. At very high gallonages, they increase run off from leaf surfaces, and wastage of pesticide..

# Function of PROSUPER 80

- PROSUPER-80 penetrates the soil faster and more evenly. Many types of soils tend to resist water penetration.
- By making water wetter, PROSUPER-80 helps water penetrate these soils more easily and get on with the job for which it is intended. Because of the faster soil penetration, there is less run of less wasted water.





# How PROSUPER 80 works



**Pesticide sprayed  
Without surfactant**



**Pesticide sprayed  
With Prosuper-80**



# Function of PROSUPER 80

- **PROSUPER-80** helps keep pesticides in suspension. Often the pesticide may not mix really well with water and separates rather quickly.
- When PROSUPER-80 is added to the pesticide solution according to the directions,
- it helps keep pesticides dispersed so that separation problems are greatly reduced or eliminated entirely



# Function of PROSUPER 80

- Because of its ability to help keep pesticides in solution, PROSUPER-80 helps us keeping equipment clean and prevents clogging of nozzles,
- Resulting in less downtime for your machinery, fewer mechanical worries, and easier machine maintenance.



# Function of PROSUPER 80

- PROSUPER-80 contains a low foaming surfactant which is both non-ionic (having no electrical Charge)
- Biodegradable(able to be broken into simpler compounds by natural biological action).



# Functions of PROSUPER 80

- PROSUPER-80 is a Performance Maximizer that offers farmers an excellent opportunity to increase their crop yields and you can get an excellent foundation for growing your business.



# Features and Benefits of PROSUPER 80

Concentrated	80% active ingredients with Rheology Modifiers
Nonionic	No particle charge . Do not ionize in water therefore suitable with most pesticides.
Chemically Inactive	In the presence of usual salts and chemicals. Prevents wasteful runoff and wash off . Performs in hard and warm water.
Spreader	Allows uniform spread of spray deposit .
Wetter	Enables the spray fluid to moisten plant surface.
Activator	Helps in penetrating action on waxy and hairy surface of the plant thus improving the performance of the pesticides.
Compatible	Facilitates uniform mixing of powders, most liquid fertilizers and pesticides.
Non Phytotoxic	Does not burn the crops and plants.
Improves the absorption of water and pesticides in soil	
Non Corrosive to spray equipment and prevent clogged nozzles	

# How PROSUPER-80 Helps the Farmers

- It helps the farmers in better and healthy crop yield.
- It helps the farmer in efficient use of pesticides.
- It helps the farmer in reducing pesticide use.
- It helps in efficient use of water in irrigation
- Helps in greater moisture availability in root zone of plants
- It helps the farmer by saving time and money.

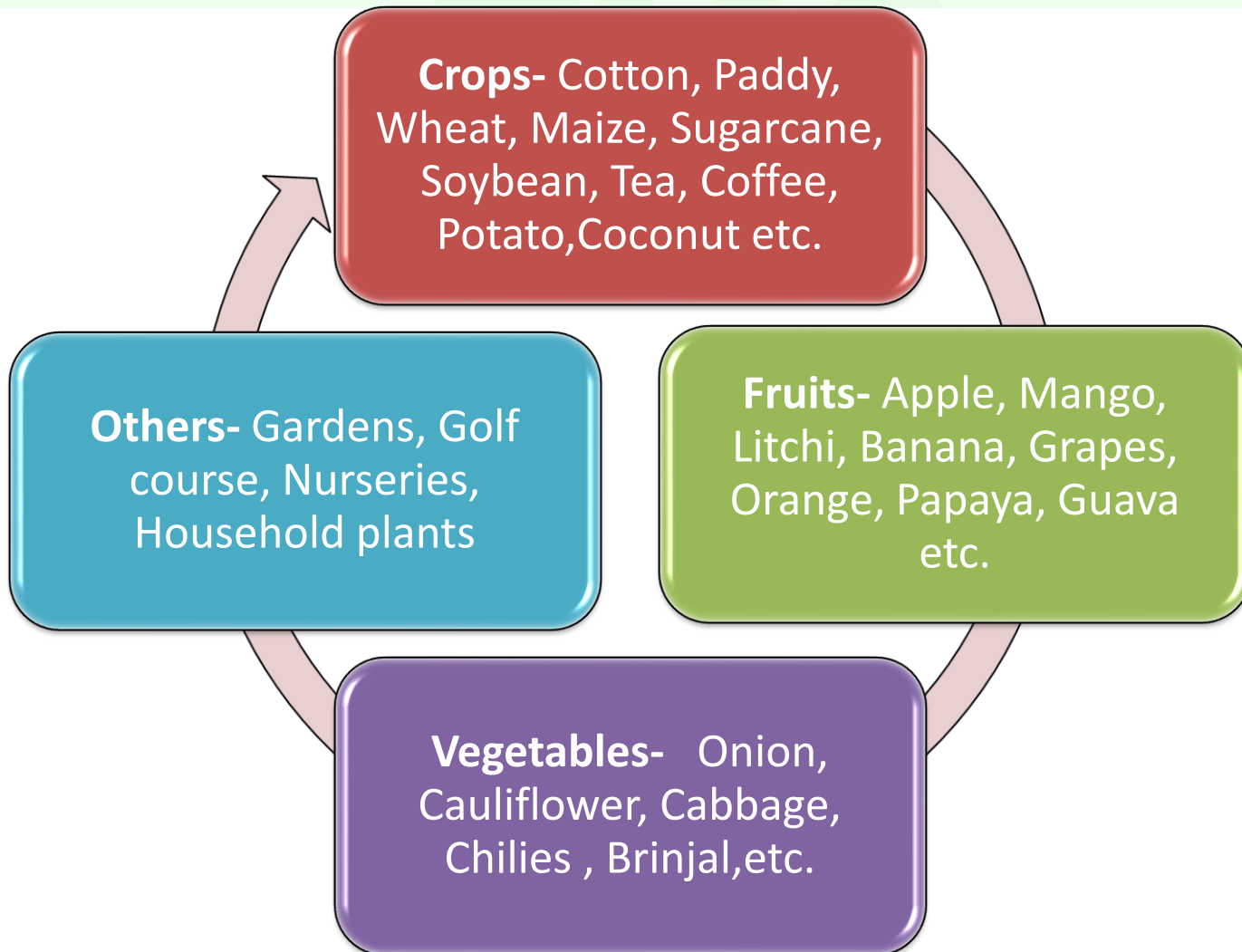


# Where to use PROSUPER 80

- PROSUPER-80 can be used wherever pesticides, fertilizers, defoliators, plant nutrients are being applied .It can be used for
  - ✓ Agricultural purpose
  - ✓ Horticulture
  - ✓ In golf courses,
  - ✓ In household plants,
  - ✓ In nurseries,
  - ✓ In kitchen gardens ,etc



# PROSUPER 80 : Usage





# Dosage of PROSUPER 80

## Amount to Use

With Insecticides, Fungicides, Foliar Fertilizer, Defoliator Plant Nutrients	5ml in 15 liters of water
With Herbicides	20 ml in 15 liters of water
For irrigation	160ml in 80 liters of water per acre.



# Instruction for Usages

- Mix required quantity of Prosuper 80 with 15 liters of water.
- To this solution add recommended doses of the pesticide as per pesticide label instruction.
- Mix thoroughly.
- Note :Read pesticide labels carefully for specific mixing instructions .



# Prosuper 80 : Price

Product	Pack	MRP (RS.)	DP	BV
Prosuper 80	250 ml	350	250	150

