

Better yield for your crops



ACTIVE-80™

ACTIVATOR - WETTER - SPREADER
(For Plants and Crops)

What is Active-80?

- Active-80 is an all purpose non-ionic spray adjuvant concentrate which improves pesticide coverage for better crop yield.
- Ensures better control over insects, weeds and diseases.

Has Active-80 been tested by Agriculture Universities / Institutions?"

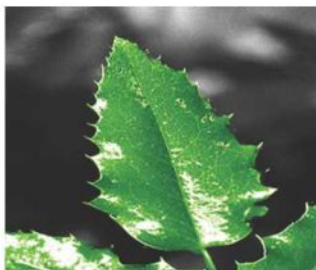
- Yes it has been tested by leading agricultural universities / institutions.
- Results show Active-80 increases crop yield (upto 46%)* when used with pesticides.

Why should you use Active-80?

- **Great Performer:** Prevents wasteful run off and wash off of pesticides.
- **Spreader:** Allows uniform spread of spray deposit.
- **Wetter:** Enables the spray fluid to moisten plant surface effectively.
- **Activator:** Helps in permeating action on waxy and hairy surface of the plant thus improving the performance of the pesticides.
- **Helps superior root development:** Helps absorb water effectively in root zone of plants & crops by allowing deeper penetration and greater moisture availability.
- **Saves Pesticides:** Help avoid frequent use of insecticides, fungicides, herbicides, plant nutrients foliar fertilizers, defoliators by efficiently utilizing them.
- **Saves Water:** Help retain moisture in soil and avoid frequent use of water.



Spray in droplets
Pesticide sprayed without Active-80



Uniform spreading & wetting when
Pesticide sprayed with Active-80



Crop without Active-80



Crop with Active-80

Where can you use Active-80?

Crops: Cotton, paddy, wheat, maize, sugarcane, soybean, tea, coffee, tobacco, coconut, etc.

Fruits: Apple, mango, banana, grapes, orange, guava, papaya, etc.

Vegetables: Potato, onion, tomato, cauliflower, cabbage, brinjal, capsicum, okra, chillies, beans, etc.

Others: Golf course & gardens, household plants, nurseries, kitchen gardens, etc.

How to use?

- Fungicides, Insecticides, Foliar fertilizers, Defoliators & Plant Nutrients: **5ml in 15 litres of water.**
- Herbicides: **20 ml in 15 litres of water.**

Mix required quantity of pesticides in the above solutions as per label instructions.

- Irrigation: **160 ml in 80 litres of water.**

Code: 379961	Pack Size: 3 x 100 ml	MRP: ₹ 315
Code: 379962	Pack Size: 500 ml	MRP: ₹ 425
Code: 379963	Pack Size: 5L.	MRP: ₹ 3850

* Conditions apply

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Test Results From Leading Agricultural Institutes

**SUGARCANE**

Information based on test conducted by **Institute of Pesticide Formulation Technology (IPFT), Gurugram**

Test done: Active - 80 with different insecticides against shoot borer of sugarcane*

Increase in Yield upto 109 qt/ha

**SOYABEAN**

Information based on test conducted by **B.M College of Agriculture, Khandwa (RVSKV, Gwalior)**

Test done: Active - 80 with different insecticides against stem borer, foliage feeders and sucking insect pests of soyabean*

Upto 17.23 % increase in yield

**POTATO**

Information based on test conducted by **Central Potato Research Institute, Shimla**

Test done: Active - 80 when used with different fungicides on potato crop against Late Blight disease*

Upto 12.21 q/ha increase in yield over fungicides used alone

**PADDY**

Information based on test conducted by **College of Agriculture, Jawahar Lal Nehru Krishi Vishwavidyalaya, Jabalpur**

Test done: Active - 80 with different post emergence herbicides against weed flora of paddy*

Upto 14.95 % increase in yield

**COTTON**

Information based on test conducted by **Dr. Panjabrao Deshmukh Krishi Vidyapeeth (PKV), Akola and B.M College of Agriculture, Khandwa (RVSKV, Gwalior)**

Test done: Active - 80 with different insecticides against cotton bollworms*

Upto 46.62 % increase in yield

**MANGO**

Information based on test conducted by **Institute of Pesticide Formulation Technology (IPFT), Gurugram**

Test done: Active - 80 when used with different fungicides on mango crop against Powdery Mildew, Blossom Blight and Anthracnose diseases*

Upto 55.20% increase in yield over fungicides used alone

**ONION**

Information based on test conducted by **KRCCH, Arabhavi University of Agricultural Sciences, Dharwad, Karnataka**

Test done: Active - 80 with fungicide against purple blotch disease in Onions*

Upto 19.62 % increase in yield

**MAIZE**

Information based on test conducted by **Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal**

Test done: Active - 80 with herbicide against weed flora of maize*

Upto 6.69 % increase in yield

**LITCHI**

Information based on test conducted by **Institute of Pesticide Formulation Technology (IPFT), Gurugram**

Test done: Active - 80 when used with different fungicides on Litchi crop against Powdery Mildew, Brown Blight and Anthracnose diseases*

Upto 37.16% increase in yield over fungicides used alone

**COFFEE**

Information based on test conducted by **College of Horticulture, Mudigere (University of Horticulture Sciences, Bagalkot)**

Test done: Active - 80 with fungicides against leaf rust on Coffea arabica*

Upto 14.57 % increase in yield

Test done: Active-80 with insecticides against berry borer on Coffea robusta*

Upto 15.46 % increase in yield

**BRINJAL**

Information based on test conducted by **College of Agriculture, Pune**

Test done: Active - 80 with Insecticide against Shoot borer on Brinjal*

Upto 3.80 % decrease in disease

Test done: Active - 80 with Insecticide against Fruit borer on Brinjal*

Upto 4.30 % decrease in disease

**TEA**

Tea Research Association, Tocklai Experimental Station, Jorhat, Assam has approved and certified Active-80 for use in combination with insecticides, fungicides and herbicides as spreading /sticking agent for control of insect pests, diseases, and weeds of tea and ancillary crops.



What is Active-80 Gold?

It is an all purpose non-ionic spray adjuvant concentrate. Active-80 Gold is a unique product, which when added to pesticides helps to increase their performance and effectiveness substantially. It helps in better control of weeds, insects and other diseases on crops and vegetation when used with pesticides. Active-80 Gold also helps in efficient use of water in irrigation.

Why should you use Active-80 Gold?

- Active-80 Gold uses natural vegetable based nonionic surfactants whereas most of the similar products use synthetic surfactants.
- Active-80 Gold is friendlier for domestic and export oriented crops where use of synthetic surfactants may be an issue with some countries of European Union.
- The vegetable based surfactants used in Active-80 Gold are approved by European Union countries.
- Active-80 Gold has quicker and faster spreading & covers more surface area than most of the similar products.



What are the features & benefits of Active - 80 Gold?

- Natural vegetable based surfactants
- Eco-friendly and biodegradable. Safe on crops
- Highly concentrated with 80% active ingredients
- Spreader: Allows uniform spread of spray deposits
- Wetter: Enables the spray fluid to moisten plant surface effectively
- Activator: Helps in permeating action on waxy and hairy surface of the plant thus improving the performance of the pesticides
- Helps absorb water effectively in root zone of plants & crops
- Helps in avoiding frequent use of insecticides, fungicides, herbicides, plant nutrients foliar fertilizers, defoliators by efficiently utilizing them
- Suitable with most pesticides
- Facilitates uniform mixing of powders, most liquid fertilizers and pesticides
- Non-corrosive to spray equipment and prevents clogged nozzles

How to use

With fungicides/ insecticides/ foliar fertilizers/ defoliators and plant nutrients: 5 ml in 15 litres of water

With herbicides: 20 ml in 15 litres of water

In irrigation: 160 ml in 80 litres of water

Mix required quantity of Active-80 Gold with 15 litres of water. To this solution, add recommended doses of the pesticide as per pesticide label instruction.

Advise: Do a patch test on the field before applying it on the whole field.

Storage Directions

Combustible Liquid. Do not expose to direct sunlight and excess heat. Store in a cool place. Always close the bottle when not in use.

Caution

Keep out of reach of children. Avoid skin and eye contact. If it gets into eyes flush with water and get medical attention. For skin contacts wash with soap and water.

ACTIVZYME™SEAWEED EXTRACT
(For Plants and Crops)

Code: 379960 Pack Size: 3 x 100 ml MRP: ₹ 396
Code: 379965 Pack Size: 500 ml MRP: ₹ 540

What is Activzyme?

Activzyme is a natural, eco-friendly and highly effective organic plant growth nutrient derived from seaweed vegetable for use in foliar and soil drench application to improve the plant growth and maximise crop yield. It can be used alone or in conjunction with other crop management inputs on fruits, vegetables, field & plantation crops, indoor & outdoor plants, garden, nursery, lawns, turf etc.

It is non-toxic, harmless to human beings, animals, plants and the environment.

What are the advantages of Activzyme and how it can help?

- Improve plant growth
- Increase yield and quality of crop
- Better foliage & improve photosynthetic efficiency
- Increase soil microbial activity
- Healthy root system and vigorous seedling growth
- Increase resistance to insects, pests, diseases & adverse weather conditions
- Activate the plant physiological and metabolic activities
- Efficient utilization of bio-chemical reserves of plants & applied nutrients
- Stimulate flowering and better retention of flowers
- Better fruit setting and uniform fruit size and maturity

How does Activzyme work on plants?

When applied Activzyme is absorbed in the vascular system of plants through stomatal openings besides the lenticels and cuticular fissures. It has the ability to bypass the physiological barriers and thus enters the plants.

How does Activzyme work?

Activzyme naturally contains hydrolysed protein complexes, enzymes, carbohydrates, cytokinins, auxin precursors, betaines which help to improve cell division and cell enlargement thus resulting into better chlorophyll content and increased plant growth and crop yield.

Cytokinins

- Promote cell division & cell elongation
- Regulate root growth

ACTIVZYME™SEAWEED EXTRACT
(For Plants and Crops)

Auxins

- Increase chlorophyll content and stimulate photosynthesis & respiration
- Delays aging of plant tissues

Gibberellins

- Stimulate cell division • Larger root system

Enzymes

- Activate and catalyze biochemical reactions of a cell.
- Help in breakdown of complex molecules into simpler ones which can easily be utilized by the plant

Betaines

Reduces the intensity of oxidation reactions that damages cell structure. Limits the stress on the plant, enhances crop growth and improves overall health of the plant

Hydrolysed Protein Complexes

- Basic building blocks the living organisms
- Play an important role in cell growth

When Activzyme can be applied?

For maximum advantage use at all critical phases of plant growth (early crop stage like seedling/immediately after transplant, pre-reproductive stage or flowering stage/peak flowering/fruit setting and fruit development stage)

How to use Activzyme?

Dosage: Dilute at the rate of 1 ml in 1 litre of water. Apply at the rate of 200ml per acre.

Application: Spray with any high volume sprayer, such as, knapsack sprayer till the leaves are drenched completely. Shake the bottle well before use. Spray during cool hours in the morning or evening.

Compatibility: Activzyme is compatible with most of the commonly used fertilizers, insecticides, acaricides, fungicides, adjuvants, surfactants except which are of highly alkaline nature.

It should not be applied with growth retardants and herbicides.

Storage Directions: Store in a cool and dry place. Avoid exposure to direct sunlight. Keep lid tightly closed after use.

Caution: Keep out of reach of children.

Recommended Foliar Spray Schedule

Crop	Number of sprays and stage/interval of application
Paddy	One spray at panicle initiation stage
Wheat, Barley, Bajra & Jowar	One spray at 4-6 leaf stage
Maize	One spray at 10-14 leaf stage
Pulses Oilseed	One spray at trifoliate leaf stage
Mustard	One spray at 50 DAS
Groundnut	One spray at 40 DAS
Sunflower	One spray at 35-40 DAS
Cotton	2 sprays, at square formation and at 25 days after first spray
Sugarcane	2 sprays, at 60 DAP and 90 DAP
Chillies & Tomato	3 sprays, at initiation of flowering and at 20 and 40 days after first spray
Brinjal, Okra and Cucurbits	2 sprays, at 6-8 leaf stage and at the sign of fruit set
Cabbage, Cauliflower, Turnip, Radish and Carrot	2 sprays, at 6-8 leaf stage and at 15 - 20 days after first spray
Soyabean, Pea, Cowpea, French bean and Cluster bean	One Spray at 6-8 trifoliate leaf stage
Onion & Garlic	One spray at 25-40 DAS
Potato	One spray at 6-8 leaf stage
Grapes (April pruning)	3 sprays, at 5 weeks after pruning and at 5 and 10 weeks after first spray
Grapes (October pruning)	3 sprays, first spray before 1st GA application, second spray after fruit set and third spray at initiation of ripening
Mango (Young trees upto 5 Years)	Spray once in 2 months
Mango (bearing trees)	2 sprays, at first blossom and at fruit set stage
Pomegranate	2 sprays, at fruit-set and 50% of fruit development
Citrus	Spray once a month till harvest
Apple	3 sprays, at green tip stage, at fruit-set stage and 4 weeks before harvest
Plums and Peaches	One spray at early bloom stage
Ginger & Turmeric	2 sprays, at 45-50 DAS and at 21 days after first spray
Rose, Jasmine & Chrysanthemum	First spray at 30 days before bud formation and thereafter at 15 days interval till the end of flowering
Tea	After pruning
Coffee	During flowering
Tobacco	15 days after sowing and second spray can be given 20 days after transplanting

• DAS: Days After Sowing • DAP: Days After Planting

Leaflet: MRP: ₹ 5/- (incl. of all taxes) • Qty.: 1 piece • Packed: June 2017
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