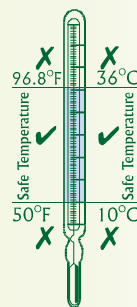


Bio-efficacy of **SPARROW 888 PLUS®**

University	Crop
MPKV. Rahuri, Mah., India.	POMEGRANATE
MPKV. Rahuri, Mah., India.	TOMATO
MPKV. Rahuri, Mah., India.	BRINJAL
MPKV. Rahuri, Mah., India.	MANGO
MPKV. Rahuri, Mah., India.	GRAPES
KKV. Dapoli, Mah., India.	MANGO
Dr.Y.S.Parmar University. H.P, India.	APPLE
Upasi Tea Research Foundation. India.	TEA
Insecticide Testing Lab. Pune, Govt.of Mah, India.	NO RESIDUE



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Basic Principles in Spraying

1. Spray Coverage :- Thorough coverage of the plant (both upper & lower side of leaves). Spray to the point of "Run Off". Spray maximum parts of the plant. Small droplets give maximum pest control (see illustration A). Maximum coverage = Maximum results (100% coverage=100% results), Hence the quality of coverage is very important.

2. Spray Concentration & Frequency :- Concentration between 0.3% to 0.6% i.e. 3ml to 6 ml per liter of water. (Higher the temperature lower the concentration, high volume low concentration) in water. Ideally multiple applications, at general safe interval of not less than **9 (Nine) days**.

Spray at no less than **400 psi** using ceramic hollow cone nozzles.

The important factor which contributes to the poor spray coverage is **worn spray nozzles**. Due to worn out nozzle orifice, the spray pattern results in larger droplets and uneven spray. Such droplets don't cover the Spray material properly & adds to the cost of spray program. Try to maintain a constant sprayer speed, if spraying by tractor try to keep the speed approx. 6 kms per hour.

3. Extreme Climatic Conditions :- Avoid extreme temperature & Humidity. Do not spray when the temperature is above 36°C or below 10°C, when soil is dry and trees are suffering from moisture stress. Do not spray when humidity is expected to remain above 90% for 36 to 48 hours.

4. Crop Safety :- Never spray on heat or moisture stressed plants. Do not apply to plants weakened by disease, drought, drying winds or high nitrogen application. Do not apply through any type of irrigation. Do not use with Captan, Morestan, Guthion, Carbaryl, Folpet, Dimethoate, spreader / sticker or any other product containing sulphur. Do not apply micronized Sulphur, Pesticides or other chemicals within 20 days before or after application of **SPARROW 888 PLUS®** as serious crop damage may occur.

5. Agitation :- Maintain constant agitation in the tank. MOST IMPORTANT Make sure that before use of this product the tank and spray equipments should be thoroughly cleaned, so that no residues of previous spray remains, which may react & damage.

* User must determine the precise timing, concentration, pressure of spray, sensitiveness of crop, plant variety to fit local growth and climatic condition. Test on a small portion before use to determine plant sensitivity. Since the use of this product is beyond our control, we do not assume any responsibility other than uniform quality of the product. Consult local Agriculture Department, Universities, Extension services for safe usage.



illustration A

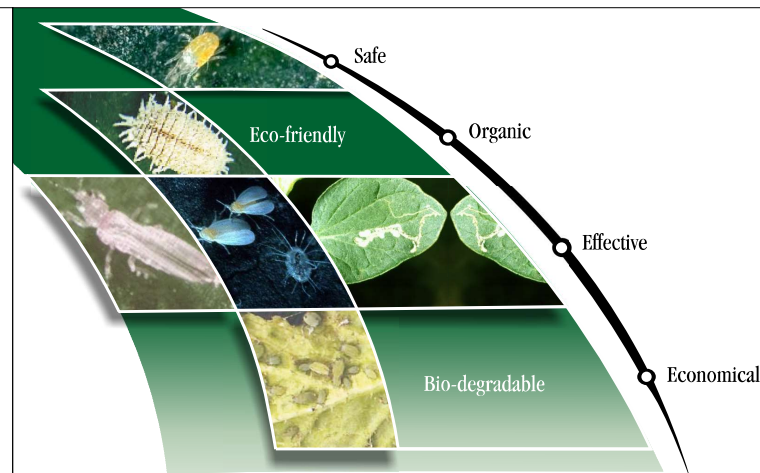
Sparrow Oilz Pvt Ltd®

POST BOX NO. 7725, Mumbai 400 092. INDIA.

☎ +91-22-28910383, Fax : +91-22-28901488,

e-mail : sparrow@sparrowoilz.com

www.sparrowoilz.co.in



Organic & Bio-degradable

SPARROW 888 PLUS®

gold

ORGANIC CROP PROTECTANT

All Season Agricultural & Horticultural Spray

A New approach for controlling multiple sucking pests.

Preventing Plant Sucking Pest, Fungus & Viral Disease.

100 Problems One Solution™





SPARROW 888 PLUS®

ORGANIC CROP PROTECTANT *gold*

Organic Agricultural & Horticultural Spray

Controls wide variety of pest in various stages of their life-cycle on variety of crops.

Premiere **SPARROW 888 PLUS®** Highly refined & Specially formulated ideal solution for pest control with no hazard to human, animals or plants.

Features

Organic & Safe :- **SPARROW 888 PLUS®** is Organic & Safe as it leaves no toxic residues on food products. It does not enter in food chain.

Bio-degradable :- It is Bio-degradable when sprayed, as it gets broken down by micro-organism as well as light & air.

Economical :- Single product for all season use with fewer spraying cycles ensures maximum safety to the crop from variety of pests & also protects the plant for several days, thus avoids repetitive spraying. This drastically reduces spraying cost for the farmers.

Multipurpose :- It can be used in all seasons with due precautions. It protects the crop from wide variety of Plant Sucking Pest, Fungus & Aphid transmitted viral diseases.

Safe :- It is safe to the plants when used with all necessary precautions & instructions.

Action of SPARROW 888 PLUS®

For Preventing Plant Sucking Pest :- Precious crops are attacked by scores of insect pest throughout the season leading to extensive monetary losses. **SPARROW 888 PLUS®** controls the sucking pest without posing a threat to the environment. It clogs the respiratory system, interferes with the normal exchange of oxygen & thus controls the sucking pest effectively. It also creates a film acting as a physical barrier between the plant & pest which fails the feeding & egg laying tendency of the pest.

For Fungus Control :- Fungal diseases can reduce the quality & yield of many crops **SPARROW 888 PLUS®** acts as an eradicant as well as a protectant against certain fungus. It controls these fungus by :-

- Host Plant Protection :- It acts as a physical barrier between the pathogen (eg. Fungal spores) and the plant thus prevents fungal growth.
- Eradication of Fungi :- By targeting & destroying fungi's cell walls.

For Plant Virus Control :-

SPARROW 888 PLUS® is used to prevent the virus transmission by sucking pest such as winged aphid-transmitted potty viruses on vegetable crops. It interferes with feeding behaviour of some insects such as flea beetles, White flies, aphids and hence disrupts the virus transmission process.

Above information is based on extensive research & findings of agricultural researchers from reputed universities worldwide.

Winner of
3 Prestigious
National Awards

Committed for

A proven, researched & successfully tested in various agricultural universities.

SPARROW 888 PLUS® has no harmful impacts on humans, soil & other mammals and birds & leaves no toxic residues on food product. Negligible effects on beneficial insects. Thus **SPARROW 888 PLUS®** type is approved for use in pest control in organic farming by International Federation for Organic Agricultural Movements (IFOAM), and are approved by Environmental Protection Agency (EPA). **SPARROW 888 PLUS®** has been also listed by Organic Materials Review Institute (OMRI), Eugene, USA as an input for Organic Farming.

For IPDM tool

SPARROW 888 PLUS® acts as a pest preventive tool by Controlling the pest & protecting the plant. It is an all season, non-toxic, easy to use in the field. Thus it is a valuable tool in Integrated Pest & Disease Management (IPDM) to control pests. Such type of premiere & superior oils are approved for use by IFOAM & Codex Alimentarius (FAO/WHO)

For Use in Pest Resistance Management

Extensive research & findings for many decades by agricultural researchers shows that not a single insect pest or plant disease has developed resistance to such type of product. This is because it works at the physical level, not the biochemical level. Thus it can be used with greater confidence in a pest resistance management program.

Controls wide variety of pest in various stages of their life-cycle on variety of crops.

SPARROW 888 PLUS® controls range of certain sucking pests, fungus & aphid transmitted virus in their various stages like Egg, Larvae & Adult, Psyllid, Scale... e.g. San Jose Scale, Red Mites, Thrips, White fly, Aphids, Leaf Miner, Leaf Hoppers, Mealybugs, Powdery Mildew etc. on variety of crops.

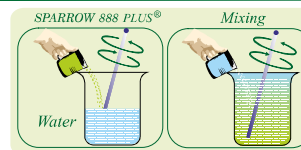


Target Crops

Wide varieties of Fruits, Vegetables, Plantations, Field Crops, Shrubs, Ornamentals, Grasses & in Green House & Other Miscellaneous crops.



Mixing Instructions



1. First add water to the mixing tank.
2. Then add required amount of **SPARROW 888 PLUS®** under agitation when tank is half full.
3. Again top up rest of the amount of water.
4. Try to maintain agitation until solution is completely used.

Safe Environment

SINCE 2003