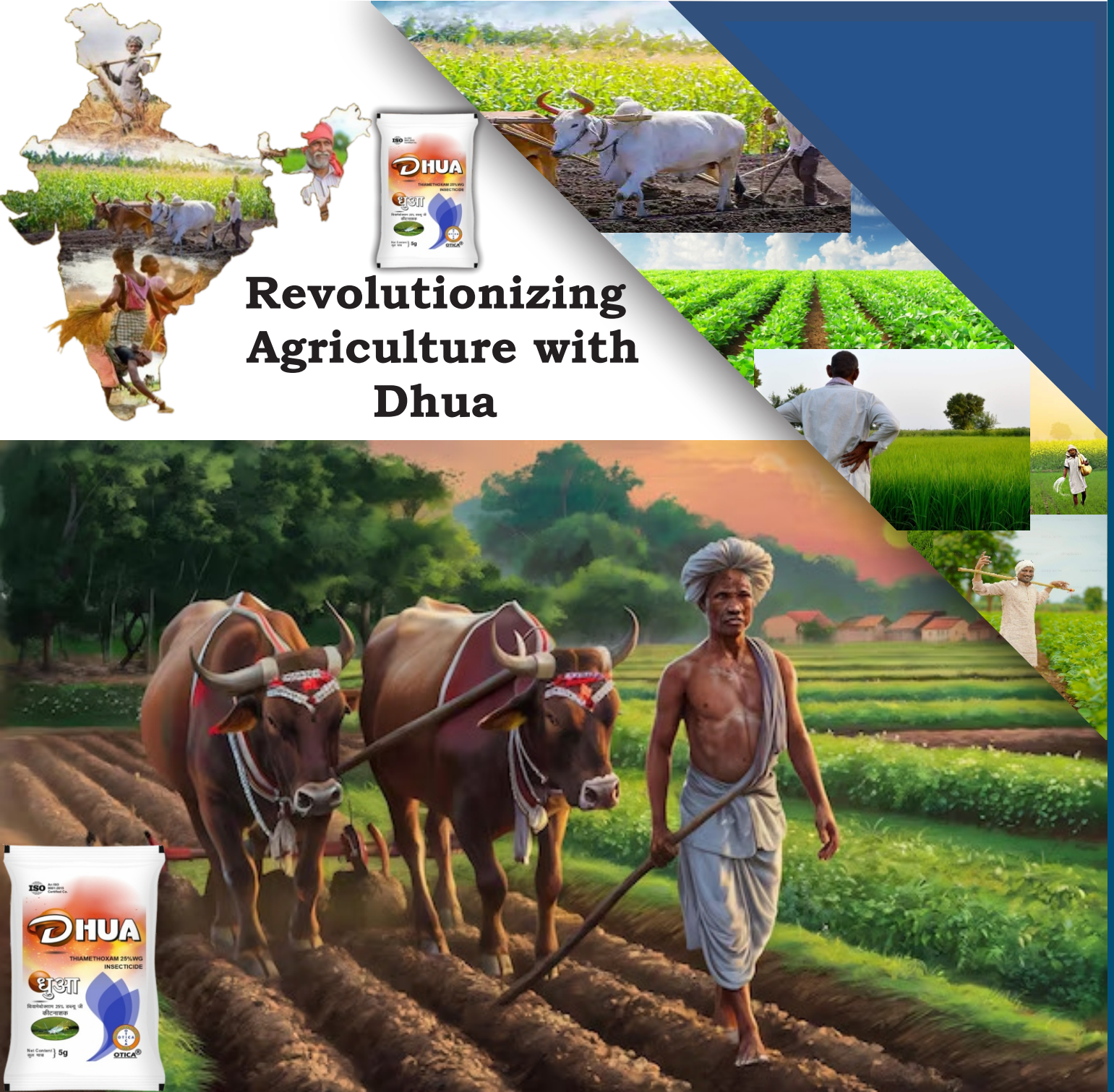




OTICA CROP SCIENCE PVT. LTD.

AN ISO 9001:2015 COMPANY

**Revolutionizing
Agriculture with
Dhua**





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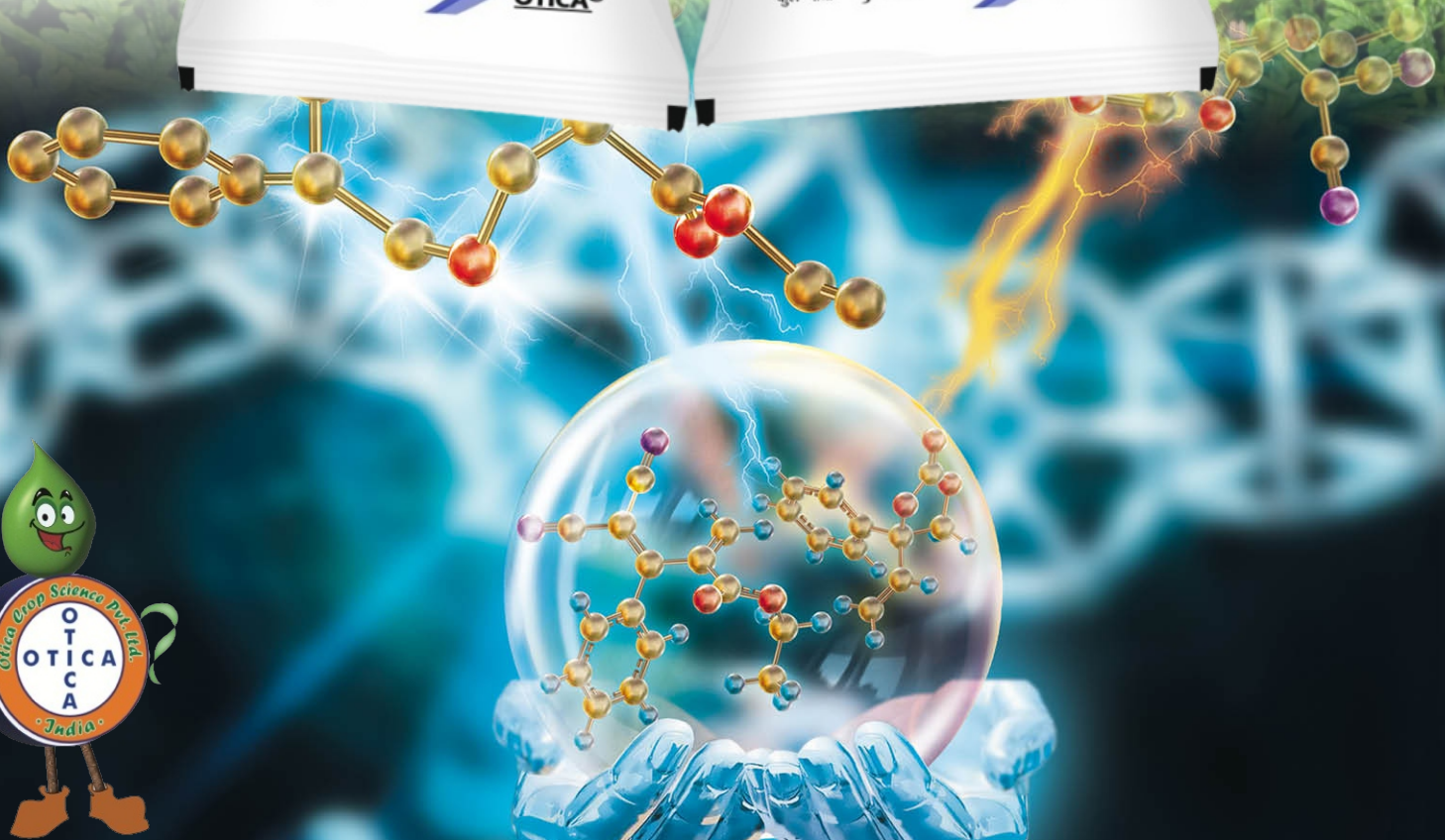
Otica Crop Science proudly presents DHUA (Thiamethoxam 25% WG), a powerful insecticide designed to protect your valuable crops from a wide range of damaging pests. Our Thiamethoxam 25% WG formulation offers superior efficacy and long-lasting control, leading to healthier plants and higher yields. Trust Otica Crop Science for innovative solutions and reliable crop protection.





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Revolutionizing Agriculture with DHUA

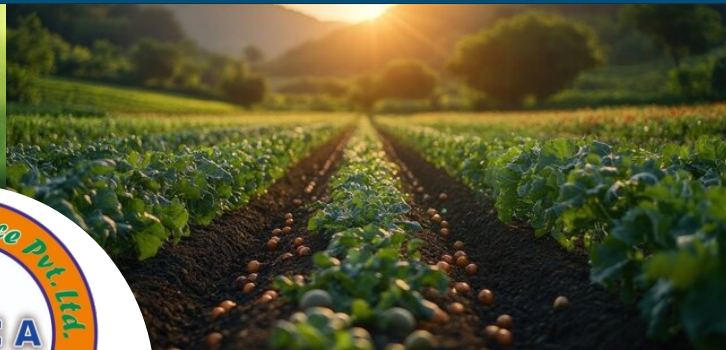




What is DHUA (Thiamethoxam 25% WG)?

Dhua (Thiamethoxam 25% WG) is a systemic insecticide. This means that when it's applied to a plant, the plant absorbs it and it spreads throughout the plant's tissues. When an insect feeds on the plant, it ingests the thiamethoxam and is poisoned.

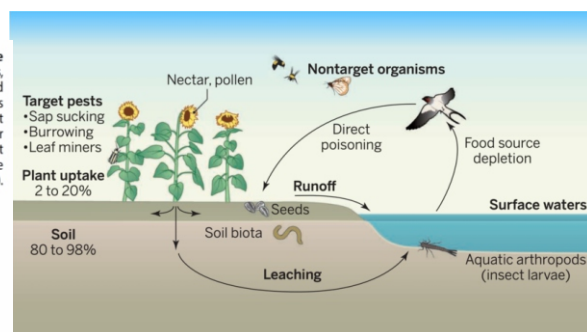
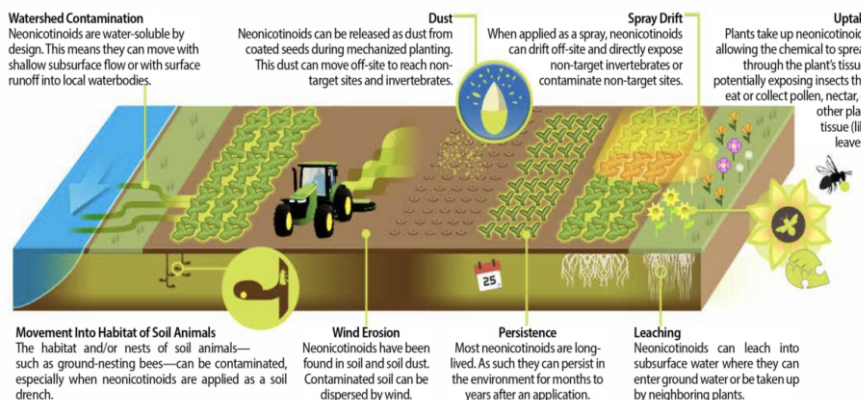


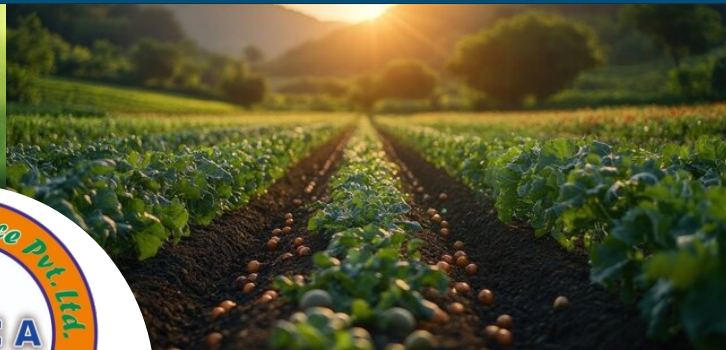


The Science Behind DHUA(Thiamethoxam 25% WG) :-

DHUA Thiamethoxam 25% WG is a fascinating example of how chemistry and biology can be combined to protect our crops. Here's a look at the science behind it:

- **Neonicotinoid Action:** Thiamethoxam belongs to a class of insecticides called neonicotinoids. These chemicals mimic nicotine, a natural substance that is toxic to insects.
- **Nervous System Disruption:** When an insect comes into contact with or ingests thiamethoxam, it binds to receptors in their nervous system. These receptors are normally used to transmit signals between nerve cells.
- **Overstimulation:** Thiamethoxam overstimulates these receptors, causing the insect's nerves to fire uncontrollably. This leads to a variety of effects, including tremors, confusion, paralysis, and eventually death.
- **Systemic Action:** Because thiamethoxam is systemic, it gets absorbed by the plant and distributed throughout its tissues. This means that even insects that don't directly contact the insecticide can be poisoned when they feed on the plant.

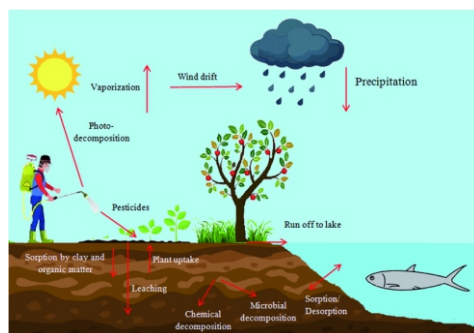


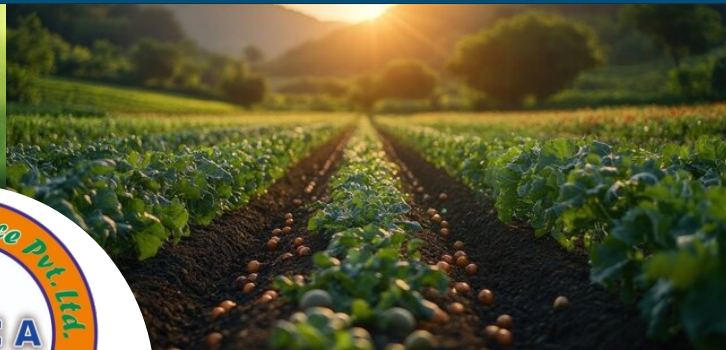


How DHUA (Thiamethoxam 25% WG) Benefits Crops?

DHUA (Thiamethoxam 25% WG) offers several key benefits to crops:

- **Effective Pest Control:** It targets a broad range of harmful insects, including aphids, whiteflies, thrips, leafhoppers, and some soil-dwelling pests. By controlling these pests, it prevents them from damaging crops and reduces the risk of yield loss.
- **Long-lasting Protection:** It provides residual activity, meaning it continues to protect the crop for an extended period after application, reducing the need for frequent re-spraying.
- **Improved Crop Health:** By effectively controlling pests, DHUA Thiamethoxam 25% WG helps plants stay healthy and vigorous. Healthy plants are better able to withstand stress and produce higher yields.
- **Increased Yields:** By preventing pest damage and promoting healthy growth, Thiamethoxam 25% WG can lead to significant increases in crop yields, resulting in greater profitability for farmers.
- **Versatile Application:** It can be applied as a foliar spray, soil drench, or seed treatment, depending on the crop and target pest. This versatility makes it adaptable to different farming practices.

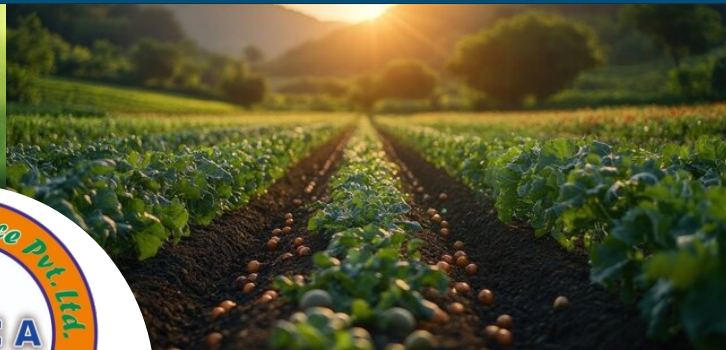




How Does DHUA Benefit Farmers?

- **Higher Yields:** By effectively controlling a broad range of pests, DHUA (Thiamethoxam 25% WG) helps farmers protect their crops from damage and maximize their yield potential. This translates to more produce to sell and increased income.
- **Reduced Crop Losses:** Pests can devastate entire fields, leading to significant financial losses for farmers. DHUA (Thiamethoxam 25% WG) provides reliable protection, minimizing the risk of crop loss due to pest infestations.
- **Improved Crop Quality:** Healthy crops produce higher quality yields. By controlling pests that can stunt growth or damage produce, DHUA (Thiamethoxam 25% WG) helps farmers grow crops that meet market standards and fetch better prices.
- **Cost-Effective Pest Control:** Thiamethoxam 25% WG is a broad-spectrum insecticide, meaning it can control multiple types of pests with a single application. This can save farmers time and money compared to using multiple, more specialized insecticides. Additionally, its long-lasting action reduces the need for frequent re-spraying, further lowering costs.
- **Increased Efficiency:** The systemic action of Thiamethoxam 25% WG means that it protects the entire plant, including new growth. This reduces the need for repeated applications and saves farmers valuable time and labor.
- **Greater Flexibility:** Thiamethoxam 25% WG can be applied in various ways (foliar spray, soil drench, seed treatment), giving farmers flexibility in how they use the product depending on their specific needs and farming practices.

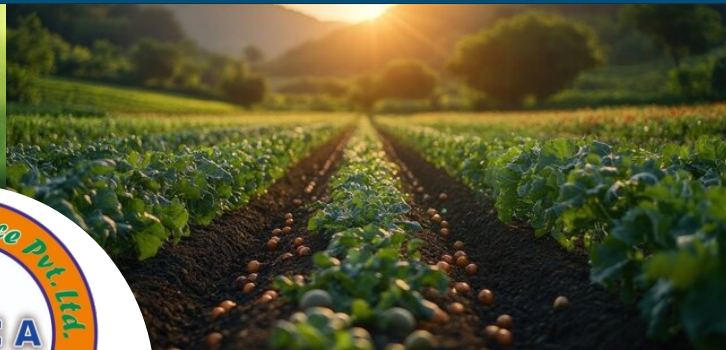




How these benefits translate to real-world advantages for farmers?

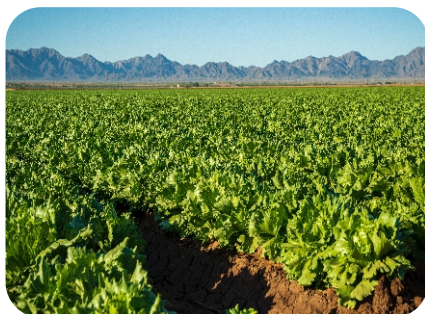
- **Higher income:** Increased yields and better prices for higher-quality produce directly contribute to a farmer's income.
- **Reduced risk:** Enhanced stress tolerance can minimize crop losses due to unfavorable environmental conditions, providing more stable income.
- **Cost savings:** Optimized resource use can lead to lower input costs for water, fertilizers, and other resources.
- **Improved market access:** Higher-quality produce can make it easier for farmers to access markets and sell their crops at competitive prices.
- **Greater control over their operations:** PGRs can help farmers manage their crops more effectively, allowing them to plan and execute their farming activities more efficiently.

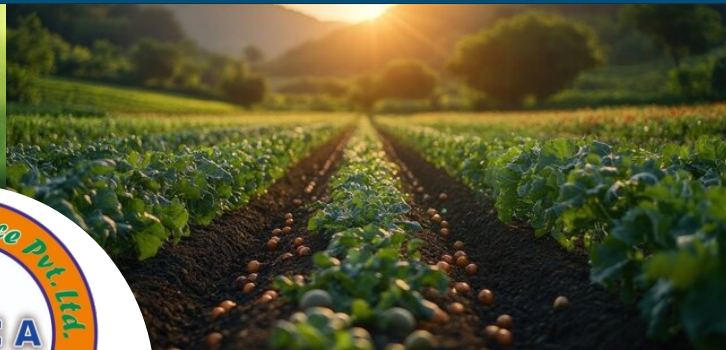




Why Choose DHUA?

- **Broad-spectrum control:** Thiamethoxam 25% WG is effective against a wide range of common crop pests, reducing the need for multiple insecticides.
- **Systemic action:** It's absorbed by the plant, protecting all parts, including new growth, and providing longer-lasting protection.
- **Versatile application:** It can be used as a foliar spray, soil drench, or seed treatment, fitting various farming practices.
- **Increased yields:** By preventing pest damage, it helps crops thrive and produce higher yields, leading to better income for farmers.
- **Improved crop quality:** Healthy, pest-free crops result in higher quality produce that can fetch better prices in the market.





CROP	INSECTS	DOSE (Kg./acre)
Tomato	Jassids, Aphids, Whitefly, Thrips	80-100 gm
Cotton	Jassids, Aphids, Whitefly, Thrips	60-80 gm
Brinjal	Jassids, Aphids, Whitefly, Thrips	80-100 gm
Okra	Jassids, Aphids, Whitefly, Thrips	80-100 gm
Rice (paddy)	Brown & Green Plant Hopper, Leaf Hopper	60-80 gm
Mango	Mango Hopper	5 gm/15 ltr of water
Citrus	Citrus Psylla	5-6 gm/15 ltr of water
Tea	Mosquito Bug	40-50 gm



Thrips



Aphids



Jassids



Mosquito Bug



White Fly



Citrus psylla



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साकार हम करेंगे...

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