

Orobanche

A Step towards the Green Revolution



Orobanche is the flowering parasite, controller. It is known as vakumba in Gujarat, bambaku in Maharashtra, bodu in Andhra Pradesh. It is a flowering parasite on tobacco roots and occurs in all the tobacco tracts in India. It is a holoparasite and draws its nourishment from tobacco by means of haustoria attached to the roots of tobacco.

Symptoms

- Symptoms in the early stage of infection, symptoms of wilting, dropping and ribbing of leaves are observed in the early stage.
- Five to six weeks after transplanting young orobanche sprouts emerge from the soils at the base of tobacco plants.
- Orobanche emerges in clusters they are 15-45 cm tall pale brown or purple in color after 10-15 shoots are found attached to the roots of a single host plant. The loss in the yield and quality of leaf is very much variable from 30% - 70%. The seeds are reported to be viable for 2 years and remain dormant in the soil for at least 13 years.
- Orobanche seed germination during the second week after transplanting and infects the roots during third week. Till the end of fifth week underground infection of orobanche develops into various sizes. On the sixth week orobanche shoots emerge above ground.

Benefits

- It is an effective flowering parasite controller.
- It can check the damage caused by the orobanche.
- It is advisable to use from initial stage for proper growth and development of plants & leaves.
- It increases the yield up to 30% to 50%.
- It will control the labor charges.

Infected crops

It is found in tobacco, brinjal, tomato, okra and rupe seeds.

Uses

- It is used after 3rd week of transplanting crops.
- Initial or first stage 1ml / 1 liter of water
- Later on stage 2ml / 1 liter of water
- It can be used by drenching only directly to the stem of host plant.

Recommended

- It is always used in initial stage for better result before orobanche shoots emerge above ground.



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