



Hortus Technical Services

Hortus Technical Services is an independent agronomy company dedicated to providing efficient and cost-effective integrated pest management strategies to growers.

Due to overuse or inappropriate use of agricultural chemical the incidences of chemical resistance among pests and diseases are steadily increasing and are now common place . As the few remaining effective chemicals are used more frequently, so the risks of resistance developing to these remaining chemicals increases.

As a result, more growers are turning to alternative control options. The agronomists at Hortus are able to provide growers with a range of biological pest management options to better control pests using integrated pest management.

Hortus has a number of biological products available to growers for a wide array of pests, including:

- **Macadamia Nutborer**
- **Heliothis**
- **Silverleaf Whitefly**
- **Thrips**
- **Two-Spotted Mite**
- **Red Scale**
- **Aphids**
- **Queensland Fruit Fly**





E. HAYATI

Eretmocerus Hayati

E. Hayati are tiny parasitic wasps that parasitise Silver Leaf White Flies. This action prevents a large pest pressure from developing! As a relatively new biological product, E. Hayati is an exciting new development in pest management.



Mature Eretmocerus hayati wasp

BENEFITS

- ❖ E. Hayati are capable of reaching 80% parasitism of silver leaf white fly, under ideal conditions
- ❖ Reduced chemical usage
- ❖ Silver leaf white flies are very mobile pests, E. Hayati are capable of controlling them where chemicals aren't able

DELIVERY

E. Hayati are supplied in plastic vials, plugged with cotton. The wasps are dispatched within 24-48 hours and to emerge 1-2 days after arrival. In order to reduce the risk of losses (through predation from ants), the release cards should be placed in the paddock within the 24 hours before the wasps emerge.



Adult silver leaf white fly

APPLICATION

The number of wasps applied per hectare is dependent on the level of pest pressure, determined through monitoring. E. Hayati prefer a protected environment, either green houses or well-irrigated crops with good foliage development.

Silver leaf white fly are highly mobile. In order to achieve the best control, area wide releases are recommended.

Release Rates:

E. Hayati are distributed in vials that contain 300 wasps each.

Field Crops

- ❖ 5 releases of 10 vials per hectare, 2-3 weeks apart.

Green Houses

- ❖ 4 releases of 2-3 wasps / m²

Continue releases until control of Silver Leaf White Fly has reached 80%

INTERESTED?

Contact your local Hortus Technical Services for information concerning costs and distribution.



E. Hayati wasps being released