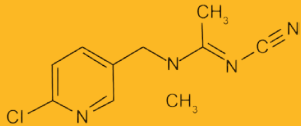




ASTER EXTRIM®

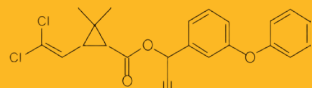
Active Ingredients: Acetamiprid 150 gr/lt +
Cypermethrin 50 gr/lt

Acetamiprid:



- Acetamiprid is a systemic, neonicotinoid insecticide, with long residual action, intended to control mainly sucking insects on a wide range of crops.
- Molecular Formula: $C_{10}H_{11}ClN_4$
- Mode of Action: Nerve action as a nicotinic acetylcholine receptor (nAChR) agonist.
- IRAC Group: 4A

Cypermethrin:



- Cypermethrin is a synthetic pyrethroid insecticide, with quick knock-down effect, used to control a wide range of insects on agricultural crops.
- Molecular Formula: $C_{22}H_{19}Cl_2NO_3$
- Mode of Action: Nerve action as a sodium channel modulator
- IRAC Group: 3A

Aster Extrim® 20SL is an innovative insecticide with a broad spectrum of activity on a wide range of crops.

Aster Extrim® 20SL effectively combines Active Ingredients with different and highly complementary modes of action.

- Cypermethrin provides Aster Extrim® 20SL with quick-knock down effect as a contact insecticide, while Acetamiprid with its systemic qualities ensures long residual action.

Aster Extrim® 20SL Advantages

- Broad spectrum of activity
- Contact and systemic action
- Synergistic effect of the 2 Active Ingredients
- Suitable for use on a wide range of crops
- Wide spectrum of activity
- Easily absorbed in plant tissues and digested by the target pest
- Not phytotoxic when used as directed
- Long lasting residual control
- Quick knock-down effect



Directions for proper usage:

- Fill the spray tank/container with half the required amount of water and add the required amount of **Aster Extrim® 20SL**. Fill the spray tank to the level with water and mix to uniformity. Apply at first signs of infestation.
- Ensure thorough and even coverage of the canopy.

Rate of Application (Ground application):

Crop	Target Pest	Application rate
Wheat, Maize, Vegetables	Locusts	0.5-0.6 L/Ha (20-30 ml / 20 L)
French Beans/Soybean	Aphids, Thrips, Whiteflies	0.25-0.3 L/Ha(10ml/20 L)
Tomatoes	Aphids, Whiteflies, Leafminers, Thrips	0.25-0.3 L/Ha (10ml/20 L)
Vegetables	Aphids, Thrips, Whiteflies	0.25-0.3 L/Ha (10ml/20 L)
Potatoes	Colorado beetles, Leafminers	0.25-0.3 L/Ha (10ml/20 L)
Citrus	Leafmiers, Aphids, Thrips, Jassidae	0.25-0.3 L/Ha (10ml/20 L)
Coffee, Cacao	Leafminers, Thrips, Aphids, Mirid bugs	0.25-0.3 L/Ha (10ml/20 L)
Cotton	Leafminers, Thrips, Aphids, Whiteflies	0.25-0.3 L/Ha (10ml/20 L)
Rice	Thrips, Lepidoptera, Stink bugs, Aphids, Armyworms	0.25-0.3 L/Ha (10ml/20 L)
Ornamentals	Leafminers, Thrips, Aphids, Whiteflies	0.25-0.3 L/Ha (10ml/20 L)

Locust Control: Aerial application

Pest	Application Rate	Application instructions
Locust	3-4 lt per 70 lt of water	Aerial application only

Locust Application:



Disclaimer: This information and all further technical advice is based on our present knowledge and experience and approvals from the registration authorities. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. In the event of any discrepancies between the information stated herein or any other information source and the information stated on the label of the product, the information stated on the label of the product will prevail. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of the customer. Reference to trade names use by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Aster Extrim® 20SL is a registered trademark of Sineria Holland BV

Field Trials

- Extensive field research has proven the increased efficacy of **Aster Extrim® 20SL**.
- In Kenya during 2013 and 2014, **Aster Extrim® 20SL** was extensively trialled for the control of the Russian wheat aphid and other cereal aphids in wheat.
- The results are depicted in the following graph:

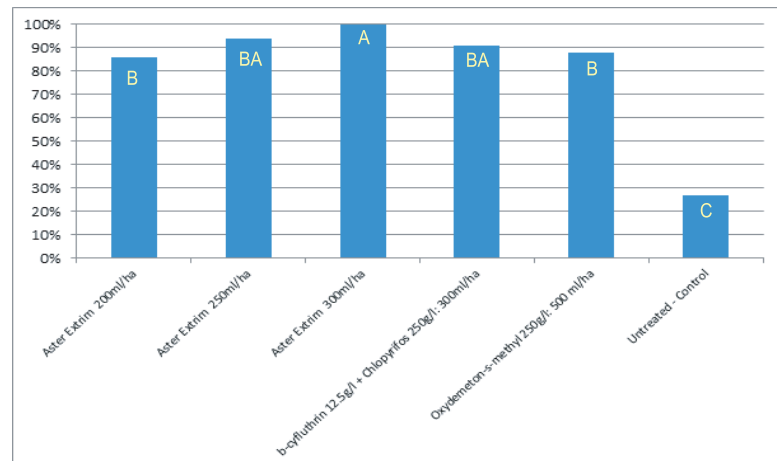


Figure: Mean % control of cereal aphids in wheat

Note: Means in each column followed by the same letter do not differ significantly at the 5% level using the LSD test.