

# Alsa



## Alsa repels thrips and other insects and makes insect control more effective.

### What is Alsa?

Alsa is a natural crop protection product based on the odour and taste compounds derived from garlic. These compounds, which can be effective in influencing the behaviour of harmful insects such as thrips, are present in garlic where they are dissolved in oil. DeruNed has succeeded in extracting these oil-soluble odour and taste compounds from garlic using a special process. This has resulted in Alsa:

a unique liquid product that can be effectively used for the control of thrips and other insects.

### How does Alsa work?

#### 1. Alsa increases the effect of chemical and biological control:

When Alsa is applied the odour and taste of the plant change in such a way that the insects no longer find the plant attractive. The insects become restless and leave their hiding places. Chemicals and natural enemies can now be used much more effectively in the fight against insects. In fact the insects become more accessible. Moreover, preventative use of Alsa means that you need to spray with chemicals less frequently, which ensures that your crop remains in better condition.

#### 2. Alsa works systemically in the plant:

Alsa works systemically in the plant, which means that it can be administered with the nutrients. Alsa remains active in the plant for about 7 to 10 days. After this active period, the compounds are transformed in the plant into elements that are then used for normal metabolism in the cells.

### How is Alsa used?

You can use Alsa in all seasons to support the chemical and biological control of insects. However DeruNed advises that Alsa should be applied preventatively, which means beginning early in the spring. In fact, the earlier the insects come in contact with Alsa, the fewer insects can develop in your crop. Alsa does not stimulate resistance.

If possible, administer Alsa using a dosing pump. If this is not possible, you should administer a one-week dose of Alsa in one day along with the nutrients.

Do not use Alsa simultaneously with hydrogen peroxide products

### Dosage:

**Thrips:** 400 – 800 ml per acre. (1- 2 lt./ ha.)  
repeat weekly

**Other insects:** 800 ml per acre. ( 2lt./ha.)  
Alsa remains active for 7 to 10 days.

### How should Alsa be stored?

Alsa can be kept for two months after opening, providing the bottle is securely closed and stored in a cool, dark place.