

ADVANCED

# Iperen WAKE-up Liquid



Iperen WAKE-up for Water And K Efficiency, is a highly concentrated, liquid Potassium source for foliar application. Potassium is available in a complexed organic form. This will enable the plant to increase the uptake of Potassium. It will also support the translocation of the Potassium inside the plant.



Potassium increases the Water Use Efficiency of plants. It is one of the key elements in regulating plant evaporation. It supports opening and closing of leaf stomata. An increased Potassium level will help plants to cope with abiotic stress during dry and / or warm periods. In case of Potassium deficiency in combination with these climatic conditions, plants are more sensitive to show withered leaves with a negative effect on yield.

Next to the Water Use Efficiency effect, Potassium influences shoot, root and fruit quality as well as their shelf life.

The best Iperen WAKE-up effect towards abiotic stress is achieved with 1 to 3 foliar treatments prior to periods of drought and/or excessive heat. An additional application just before fruit ripening will give the quality effect. Iperen WAKE-up combines a high Potassium level with a low level of Nitrogen, which is a necessity at the end of the growing season.

Iperen WAKE-up is free of sulphates, chloride and even nitrates and ammonium. On top of that it has a neutral pH. This combination makes Iperen WAKE-up a safe product for foliar application.

## Product characteristics

- High concentration of Potassium in liquid form with a low Nitrogen level (N-NH<sub>2</sub>)
- Potassium Oxide available in complexed organic form
- Easy to absorb and to be translocated inside the plant
- Increased Water Use Efficiency
- Increased drought and heat resistance, when applied prior to dry and or hot periods
- Increased shelf life, when applied just before fruit ripening
- Specifically developed for foliar application

## Packaging

Available in cans of 1L, 5L, 10L and 20L and 200L.



## Dosing instructions | Foliar application

| Crop  | Application date*   | Dosage in L/ha*                |
|---|---|--------------------------------|
| Vegetables<br>(e.g. tomato,<br>strawberry, melon) | 1 - 2 applications:<br>Prior to growth stages susceptible to drought and / or heat stress. E.g. early stage of vegetative growth.<br><br>1 - 2 applications:<br>From fruit setting until 15 days before harvest                 | 6 - 12 l / treatment           |
| Citrus  | 1 - 2 applications:<br>Prior to growth stages susceptible to drought and / or heat stress. E.g. early stage of vegetative growth.<br><br>2 - 4 applications:<br>From physiological fall until pre-harvest with 15 days interval | 15 l / treatment               |
| Fruit trees                                       | 1 - 2 applications:<br>Prior to growth stages susceptible to drought and / or heat stress. E.g. early stage of vegetative growth.<br><br>2 - 4 applications:<br>From physiological fall until pre-harvest with 15 days interval | 15 l / treatment               |
| Vineyards   | 1 - 2 applications:<br>Prior to growth stages susceptible to drought and / or heat stress. E.g. early stage of vegetative growth.<br><br>1 - 2 applications:<br>From fruit setting until 15 days before harvest                 | 5 l / treatment                |
| Olives  | 1 - 2 applications:<br>Prior to growth stages susceptible to drought and / or heat stress. E.g. early stage of vegetative growth.<br><br>1 - 2 applications:<br>From fruit setting until 15 days before harvest                 | 1 - 2 l / 100 l / ha treatment |
| Arable crops<br>(e.g. Corn, soybean,<br>wheat)    | 3 - 5 applications:<br>Prior to growth stages susceptible to drought and / or heat stress. E.g. early stage of vegetative growth  | 6 - 10 l / treatment           |

\*Typical spray solution: 2% to 3%, with a maximum of 4%.

In the case of foliar feeding as part of a spray-mix, testing the intended spray-mix on a small area is recommended prior to commercial treatment. To be sprayed in evening or early morning, especially when high temperatures and intensive sunlight are forecasted.

The mentioned indicated dosages, number of applications, concentration and application stages are subject to soil and climatic conditions, influence of previous crops and other specific conditions. Exact dosages, concentrations and application stages can only be given after an objective diagnostic procedure by e.g. soil, substrate and / or plant analyses.