

LUCROP SWEP

Tank-mix adjuvant



Product description

LUCROP SWEP is a new adjuvant designed to improve the performance of spray mixtures in agrochemical application. It combines the beneficial properties of LUCROP HPP with the good wetting properties of a siloxane spreader. **LUCROP SWEP** is suitable for use with fungicides, herbicides and insecticides. It has proven to be especially useful for herbicide SL-formulations, such as Glyphosate or Glufosinate products.

LUCROP SWEP

- stabilizes spray mixtures
- designed for good spreading on plant surfaces
- promotes penetration of active ingredients
- broad range compatibility to various formulation types

LUCROP SWEP is a multipurpose tank-mix additive designed for agrochemical foliar application. LUCROP SWEP improves the spreading, the bio-efficacy of the pesticide and decreases the ecological impact. LUCROP SWEP adjusts physico-chemical properties of the spray mixture to increase the wetting and the retention of sprays on foliar surfaces and boosts penetration of active ingredients.



Technical data

LUCROP SWEP is a clear yellow fluid liquid. It is easily diluted in water and shows a broad compatibility to different types of active ingredients and formulation types.

General specification

Composition: Blend of ionic and nonionic surfactants with siloxane ethoxylate

Viscosity: ~ 80 mPas

Density: ~ 1.0 g/cm³

Miscibility: Miscible in water at any ratio

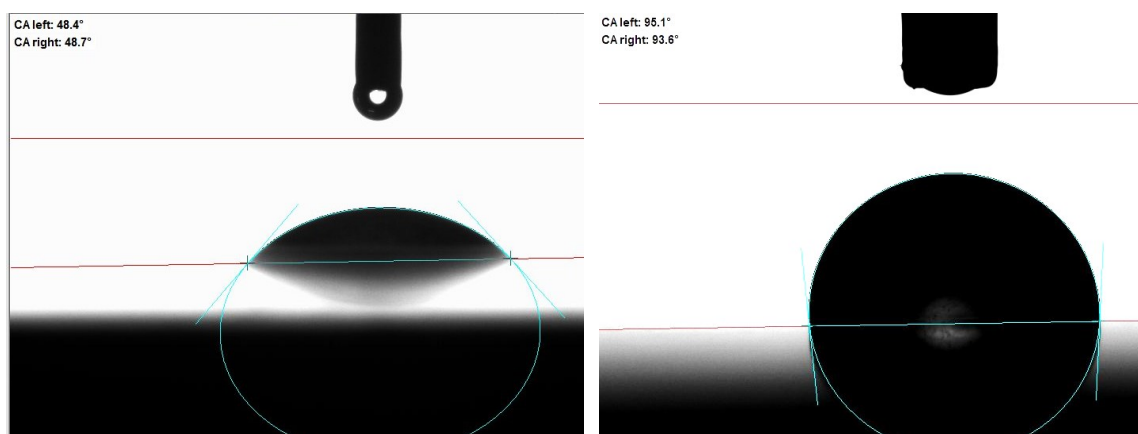
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Product properties

LUCROP SWEP reduces surface tension of spray mixtures leading to an improved wetting of the plant surface and therefore a better spreading of the active ingredients and increased penetration rate into the target organisms.



Contact angle of 0.05% solutions of LUCROP SWEP (**left, 48°**) and a competitor product (**right, 93°**) after 4 seconds.

Spray mixtures of herbicides in combination with LUCROP SWEP show faster results. The accelerated activity of herbicides is achieved already by adding amounts as low as 50g of the tank-mix adjuvant per 100l spray mixture.

Application guidance

Description

LUCROP SWEP is a tank-mix adjuvant securing and accelerating the performance of pesticides. It is used for foliar spray mix application. It can be used by ground or aerial vehicles.

Mode of action

LUCROP SWEP improves the performance of pesticides by compensating unfavorable properties of the spray mixture. It increases the bio-efficacy of active ingredients by enhanced wetting of plant surface and promotes penetration of active ingredients. It is compatible to a wide range of plant protection agents.

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Dosage and Processing

Recommendation

LUCROP SWEP can be applied on a wide range of crops and is compatible to most pesticides (herbicides, fungicides and insecticides). And formulation types (especially SL but also SC, EC or OD). It is strongly recommended to confirm compatibility by preliminary tests with the mixing partners. The dosage may vary and should be determined on respective plants before use in larger quantities. Find below a general application advice.

General Dosage

Plants	per 100l ready-made spray mixture
Flowers and sensitive plants	10-30ml
Fruits	30-50ml
Grains	50-100ml
Forests	100-200ml
Any other	10-200ml

Pesticides	per 100l ready-made spray mixture
Contact fungicides	10-50ml
Systemic fungicides	30-50ml
Insecticides	30-100ml
Defoliantes	30-150ml
Total herbicides	100-200ml

Preparation of spray mixture:

Produce the spray mixture according to the instructions of the respective product manual. Add the appropriate amount of LUCROP SWEP under mixing to the ready-made spray mixtures shortly before spraying. Use soon after preparation.