



Water Conditioner

A concentrated formulation containing a proprietary blend of water conditioning agents, acidifying agents and pH buffers

FEATURES AND BENEFITS

- Improved efficacy of turf management products
- Highly cost effective
- Prevents “lock-up” in hard water
- Improved pesticide uptake
- Reduces breakdown of expensive pesticides
- Improves tank mix compatibility

HOW WATER CONDITIONER WORKS

Many turf management products are very susceptible to the quality of the water they are sprayed in. Water which is hard or with high pH can dramatically reduce the effectiveness of such turf management products.

Water conditioners effectively reduce the pH, neutralize the cations in hard water and buffer the solution allowing all the active ingredients to remain active without losses. More and more pesticides and herbicides are recommending the use of a water conditioner due to alkaline hydrolysis.

Applying hard water sensitive products in untreated spray water can result in losses of effective pesticide activity of up to 30%.

Larkstel Water Conditioner contains two organic acids, a surfactant system and a water softener. This acidifies the water to the ideal spray pH, treats and softens the water hardness.

APPLICATION GUIDELINES

Application rate is dependent upon water hardness, see the chart below; Typically, 1 litre per 500lts of spray volume will suffice all water hardness qualities.

| Hardness Water | Total hardness concentration in (mg/l) as CaCO₃ | Application rate ml / 100 L of spray water |
|-------------------------|---|---|
| Soft- Medium | 0–100 | 50-80ml |
| Medium - Hard | 100 - 200 | 80 - 180 ml |
| Hard - Very Hard | 200 - 300 | 180 - 200 ml |

Half fill spray tank and begin agitation. Add the correct quantity of Larkstel Water Conditioner for the final water volume. Continue filling the spray tank to the required volume. Add turf management product as directed. Continue agitation while topping up the tank and during spraying.