



AQUASPREAD[®]

SUPER SPREADER

TECHNICAL DATA SHEET

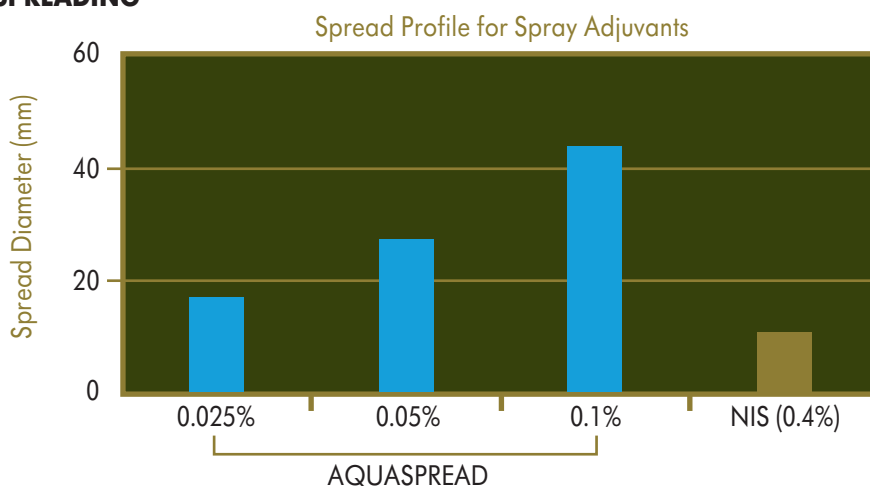
DESCRIPTION

AQUASPREAD super spreader is a unique Non-Ionic Surfactant and a Siloxane Polyalkyleneoxide Copolymer blend, used where spray coverage is needed but rapid uptake of agrochemicals is undesirable.

AQUASPREAD super spreader lowers the surface tension of spray solutions, beyond that which is achievable with conventional adjuvants.

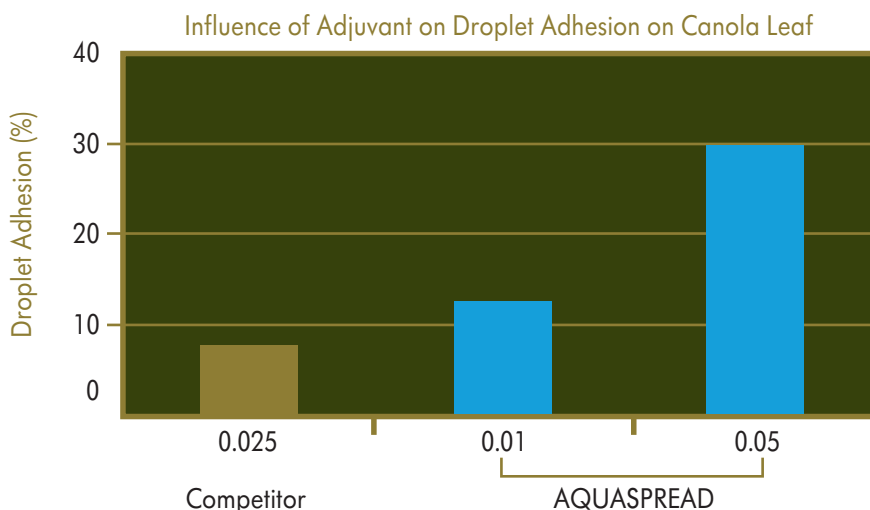
Because AQUASPREAD super spreader is a superspreading surfactant, the contact angle of spray solutions on leaf surfaces is reduced, leading to an increase in spray coverage (Figure 1).

Figure 1: **SPREADING**



Additionally, AQUASPREAD super spreader may help improve spray droplet adhesion of agrochemicals on plant foliage, thus potentially allowing reduction in spray volume. Since more of the spray is delivered to the target, less water is required to cover a given leaf surface (Figure 2).

Figure 2: **DROPLET ADHESION**





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AQUASPREAD super spreader is non-ionic in nature, making it useful with a broad range of agrochemical formulations. Use level depends on spray volume, spray equipment and agrochemical application. Typical use rates for AQUASPREAD super spreader range from 0.01 to 0.05% for insecticide and fungicide applications and from 0.025 to 0.1% for herbicide applications.

KEY FEATURES AND BENEFITS

- Super spreader
- Promotes spray volume reduction
- Improves spray coverage
- Non-ionic

AS A TANK MIX ADJUVANT

AQUASPREAD super spreader, when used as a tank-side adjuvant may be used to improve spray coverage, improve uptake or to allow for a reduction in spray volume. AQUASPREAD super spreader is most effective as a tank-side adjuvant when spray mixtures are 1) within a pH range of 5-8, and 2) used within 24 hours of preparation.

High spray volumes, coupled with high surfactant rates, are not required to achieve sufficient coverage with AQUASPREAD super spreader. In fact, AQUASPREAD super spreader has the potential to provide adequate coverage in many low volume spray applications at rates between 0.025% and 0.1%. If pH falls outside this range add HYBRID SB to the tank mix.

PRODUCT SAFETY, HANDLING AND STORAGE

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at www.grosafe.co.nz or by contacting Grosafe Chemicals Ltd on **0800 220 002**