

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

QA

Buffer 700

SURFACTANT

ACTIVE CONSTITUENTS:
350 g/L SOYAL PHOSPHOLIPIDS
350 g/L PROPIONIC ACID

Acidifying and Penetrating Surfactant
Reduces Alkaline Hydrolysis of Dimethoate
Assists with Uptake of Foliar Fertilisers
Assists in Management of Spray Droplet Size

APVMA Approval No.: 96524/149648

ADJ	Formulation Type Adjuvant
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**BE PROUDLY
AUSTRALIAN**

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DIRECTIONS FOR USE

Restraints: DO NOT use with copper products.

SITUATION	RATE PER 100 L	CRITICAL COMMENTS
Addition to herbicides to improve spreading and penetration. Glyphosate, 2,4-D, MCPA, metsulfuron-methyl	250 – 500 mL	Use high rate on stressed or difficult to control weeds.
Reduction of pH to reduce alkaline hydrolysis. Dimethoate	100 mL	Add to water in spray tank before adding Dimethoate.
To improve uptake of foliar fertilizers.	300 – 500 mL	Tank mixing with other agricultural chemicals may increase the potential for crop damage – check with supplier.
Assistance in droplet size management to partially reduce the number of fine droplets produced from hydraulic nozzles by air and ground.	300 – 500 mL	Helps to reduce the number of fine droplets. QA Buffer 700 Surfactant will reduce the fine droplets associated with, but not eliminate, off-target movement. This is contingent upon good agricultural spraying practice and appropriate nozzle choice. Refer to Quantum Agrosociences Holdings representative for further advice and stewardship.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

GENERAL INSTRUCTIONS

QA Buffer 700 Surfactant can be used where the addition of a wetter/spreader or self emulsifying oil is required or recommended on the agricultural chemical label.

Penetration and Wetter

QA Buffer 700 Surfactant is a multipurpose adjuvant, which is composed of natural surfactants and penetrants derived from soybean oils. These are combined with propionic acid to produce a penetrant, surfactant, acidifier for use with herbicides, insecticides, fungicides, foliar fertilisers, and plant growth regulators. The unique properties of QA Buffer 700 Surfactant enhance the uptake of many systemic herbicides, allowing them to effectively penetrate into leaves, without causing damage to non-target crop plants.

Acidification

QA Buffer 700 Surfactant also acts as an acidifier, which will reduce pH, in most cases to between 4 and 5. This reduces losses due to alkaline hydrolysis and also assists with the uptake of weak acid herbicides.

Droplet Size Management

QA Buffer 700 Surfactant will reduce the number of fine droplets produced by flat fan nozzles, without increasing the number of coarse or larger droplet size category. QA Buffer 700 Surfactant will reduce the fine droplets associated with, but not eliminate, off-target movement of the pesticide being used. This is contingent upon good agricultural spraying practice and appropriate nozzle choice.

DO NOT use in situations that are conducive to drift.

Refer to Quantum Agrosociences Holdings representative for further advice and stewardship.

MIXING

Half-fill the spray tank with water and commence agitation. Add the required quantity of QA Buffer 700 Surfactant then add the recommended quantity of herbicide, insecticide, or foliar fertiliser. Continue agitation while topping up the tank and during spraying.

DO NOT use with copper products.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DANGEROUS TO FISH. DO NOT contaminate streams, rivers, or watercourses with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemical on-site. Break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation, and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

Returnable Containers: Store in the closed, original container in a dry, cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. When using together with other products, consult their label safety directions. When opening the container and preparing the spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield. Wash hands after use. After each day's use, wash gloves, face shield and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If swallowed, DO NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SAFETY DATA SHEET

For information refer to Safety Data Sheet (SDS) which is available from the supplier.

CONDITIONS OF SALE: Quantum Agrosiences Holdings Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Quantum Agrosiences Holdings Pty Ltd's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Quantum Agrosiences Holdings Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: **May be corrosive to metals. Harmful in contact with skin. Causes severe skin burns and eye damage. Harmful if inhaled.** Do not breathe mist/vapours/spray. Wash all exposed external body areas thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Keep only in original packaging.



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