Suspension Concentrate (SC) Mixing Guide

Pre-checks

Refer to the compatibility section of the registered label (and Product Physical compatibility guide if available) and avoid potentially problematic tank-mix partners. Refer to the tank-mixing sequence guide at adama.com in addition to the registered labels of all tank-mix partners before use. Ensure main/primary and in-line filters are no finer than 80 mesh and ideally, 50 mesh, as over-filtering may cause spray line blockages.

Mixing

1. SHAKE/AGITATE Suspension Concentrate (SC) formulations thoroughly before use.
2. Fill spray tank to minimum 70% capacity with clean water.
3. Commence agitation. If adding crystalline ammonium sulphate, add in slowly and allow **10–15 minutes** for granules to dissolve and fully disperse through the spray solution. Alternatively, use liquid ammonium sulphate.
4. Add the first recommended tank-mix product slowly as per the tank-mix sequence guide. Ensure this product is fully dissolved or dispersed through the tank before repeating this process for subsequent tank-mix partners.
5. Once all herbicide addition is complete, fill tank water volume to capacity.
6. Check primary/in-line filters and clean if required.
7. Maintain agitation during transit and application.
8. Check primary/inline filters between tank-loads and clean if necessary before the next tank.
9. DO NOT let the tank-mix sit without agitation.

Caution

Many incompatibility issues and mixing problems are caused by:

- Adding tank-mix products too quickly (i.e. dumping them into the spray tank);
- Pre-mixing in insufficient water in the primary tank, venturi systems or chemical hoppers;
- Mixing tank-mix partners together; or
- Rushing the mixing process. **Take your time**.

Venturi & chemical hopper systems

If using a chemical handler system, ensure only one product is added per fill of the handler, then add to the spray tank. Do not add large proportions of individual tank mix products to small volumes of water (i.e. be careful adding through venturi systems that utilise a stream of water to transfer product to the primary spray tank, or chemical hoppers). Large volumes of chemical in a proportionally small volume of water can result in significant tank-mixing issues, incompatibility and filter blockages.

Further information

For further information, refer to the following:

GRDC GROWNOTES – Mixing and decontamination

GRDC GROWNOTES – Mixing, filling and transfer systems

Always read and follow the product label directions of all tank-mix partners. **Care must be taken when tank mixing more than two products, particularly products that are not manufactured by ADAMA, due to potential variation in formulations or product quality.** Seek competent advice or perform a jar test if unsure before proceeding. Note that physical compatibility tests determine whether the products will mix and are suitable for application using commercial spray equipment. Physical compatibility tests do not check for adverse crop effects or the biological efficacy of the individual products when applied as a tank-mix. Recommendations for use, handling, storage and disposal of products may also change over time. The information contained in this document is not intended to replace the product label. The product label, safety data sheet and supporting product information can be viewed on the ADAMA website www.adama.com or by scanning the QR code located on this document or the product packaging.