

## Recommended Spray Solution Mixing Order

Note: Any specific mixing instructions on product labels supersede the recommendations below.

- Fill the spray tank with one-third of the carrier (water, fertilizer, or mix) to be used.
- Begin Agitation. (Agitation should be continuous and sufficient to roll the surface of the carrier. Excessive agitation can cause foaming or compatibility issues.)
- Add ammonium sulfate or other water conditioning products if needed. (Products that contain both AMS and surfactant should be added later in the process.)
- Add compatibility agents and/or defoamers as specified by product labels.
- Add dry products in the following order
  - 1) Water soluble bags (WSB)
  - 2) Water soluble granules (WSG)
  - 3) Water dispersible granules (WG, XP, DF)
  - 4) Wettable powders (WP)

Individual dry products should be made into slurries with water prior to being added to the tank. WSB can require considerable time to dissolve.

- Allow sufficient time for all dry products to completely disperse / go into solution in the spray tank. After this has occurred, increase the carrier to 80 percent of the spray solution to be used.
- Add liquid products in the following order.
  - 1) Liquids (L)
  - 2) Water based suspension concentrates/aqueous flowables (SC, F)
  - 3) Water soluble concentrates (SL)
  - 4) Suspoemulsions (SE)
  - 5) Oil-based suspension concentrates (OD)
  - 6) Emulsifiable concentrates (EC)
- Add Microencapsulated (ME) formulations.
- Add surfactants and oils.
- Add drift control agent at this point, if needed.
- Fill the remainder of the spray tank with carrier. Ensure the solution is thoroughly mixed before spraying.