



EFFICAX® Mixing Guidance



Residual herbicide
is optimized
with the addition
of 8 oz/ac of



This Technical Bulletin includes information on Wilbur-Ellis' product, **EFFICAX**®. The information contained in this bulletin is in addition to the language currently written on the label.

EFFICAX is a new adjuvant product that is designed to be tank mixed with various soil-applied herbicide products to help enhance the control of those herbicides, allowing for improved residual activity. When used early, **EFFICAX** can provide that extra help in containing hard-to-control weed species from germinating and becoming problematic in-crop.

EFFICAX, in most tank mixing circumstances, will mix with various herbicides without any mixing issues. At times, some herbicides, when mixed with oil type adjuvants, can become surfactant-starved due to their formulation characteristics and may cause issues when mixed and/or combined. Care should be exercised when combining herbicides that consist of DF/LF/WDG formulations with oil adjuvants. If those formulations are not fully dispersed or solubilized prior to adding an oil type adjuvant, such as **EFFICAX**, you could have mixing issues. Concentration rates are also important to pay attention to. Using appropriate amounts of water as part of the spray solution should be considered when putting together a spray recommendation. The less amount of water used, the more likely you could run into mixing issues.

Should the need arise, and a specific tank mix is found to be incompatible, you have a couple of options to address the issues.

OPTIONS:



STABILITY™ (compatibility agent)
@ 1.5 pt/100 gallons of solution

OR



R-11® (nonionic surfactant)
@ 4 oz/ac

If problems persist, discontinue the use of **EFFICAX** with that herbicide and report the issue to your Branded Technologies Territory Manager. Refer to the herbicide label for additional mixing instructions.

KEY CROP GROUPS

- | | |
|-------------------------------|-------------------------|
| · Alfalfa | · Pome & Stone Fruit |
| · Corn | · Potatoes |
| · Cotton | · Soybeans |
| · Grapes | · Tree Nuts |
| · Grass Seed Production | · Turf |
| · Leafy & Fruiting Vegetables | · Vegetative Management |

WALES & DALES PROPER PESTICIDE MIXING GUIDE



1. Make sure that you are wearing the proper PPE in accordance with the labels for the products that you are mixing.
2. Fill the spray tank with $\frac{2}{3}$ to $\frac{3}{4}$ of total water volume needed.
3. Start agitation - gentle rolling action.
Always allow plenty of time between products.
4. If you are using **DILIGENCE-EA®** or **GUIDANCE-EA®**, add now.
5. Add defoamer - **FTF® DEFOAMER**.
6. Continue agitation - gentle rolling action.
Always allow plenty of time between products.
7. Add water conditioners (hard water) to the spray tank - **BRONC®**, **BRONC PLUS DRY**, **BRONC PLUS DRY-EDT**, **BRONC MAX**, **BRIMSTONE®**, **CAYUSE® PLUS** and **CYNDER®**.
8. Add Water Conditioners (Alkaline Hydrolysis) to the spray tank - **TRI-FOL®** or **DENALI-EA®**.
9. Pre-slurry your dry and liquid flowable herbicides with **CLIMB®** and then add to the spray tank.
10. Add your dry products to the spray tank - Wettable Powders (WP), Water Dispersible Granules (WDG), Dry Flowables (DF), Water Soluble Packets (WSP), Soluble Powders (SP) and Water Soluble Fertilizers (WSF).
 - a. If using **IN-PLACE®** with any WP, WDG or DF formulations, add to the spray tank.
Note: Make sure all products are dissolved and in solution before adding **IN-PLACE**.
11. Add your Liquid Flowable (LF), Flowables (F), Soluble Concentrate (SC), Suspension Concentrates (SC), Micro-Emulsion (ME) and Suspension Fertilizers (SF) to the spray tank.
 - a. If using **IN-PLACE** with any LF formulations, add to the spray tank.
Note: Make sure all products are dissolved and in solution before adding **IN-PLACE**.
12. Add your (EC) and (AS) to your spray tank.
 - a. If using **IN-PLACE** with any EC or AS formulations, add to the spray tank after being premixed with these formulations.
13. If using dicamba containing products that mandate no AMS in the mix, add a NON-AMS water conditioner to the spray tank now - **SERENITY®**, **SERENITY CUBED** and **SERENITY PLUS**
14. Add your NIS (**EMBRECE-EA™**, **R-11**, **RAINIER-EA®**, **SYL-COAT®**, **SYL-TAC-EA®**), **C.O.C. (MOR-ACT®**, **R.O.C.®)**, **MSO (SUPER SPREAD® MSO**, **RENEGADE-EA®)**, **HMSO (GLACIER-EA®)**, **STICKERS (ANTERO-EA®)** to the spray tank.
15. Add your liquid fertilizers to the spray tank – **32-0-0**, **28-0-0**, **10-34-0**, **20-0-0**, **12-0-0-26**, **NDemand® 30L**.
16. If using **EFFICAX**, add to the tank now. Note: Make sure all products are dissolved and in solution prior to adding **EFFICAX** to the spray tank.
17. If you are using **CROSSHAIR®** add to the tank now.
ADD TO SPRAY TANK LAST (after ALL other products including water, fertilizers, pesticides, water conditioners, surfactants and oils).

