PrairieFood

For customer service call 785-856-0067 ext. 2

Handling and Application Best Practices Guide

What you need to know

- **PrairieFood has no known phytotoxic effects so you can apply it anytime.**
- **Agitate well before putting into application equipment.**
- **Agitate PrairieFood in sprayer tank if possible.**
- **Remove all inline filters and screens from entire sprayer system before application.**

Delivery options

- 300 gal tote/shuttle or ~5,500-gal bulk tanker delivery.
- Best: Poly cone-bottom tanks keep solids agitated for uniform distribution.
- Avoid: Flat bottom tanks or tanks with internal baffles.

Handling

- Inspect shut-off valves and hoses operating condition prior to off-loading bulk delivery.
- Have fresh water on hand to rinse off spillage (PrairieFood is non-toxic).
- 3” John Blue CDS fertilizer pump with Honda motor has been working very well for transferring product from storage tank into nurse truck or sprayer.
- #10 Mesh filter that has a valve to flush is a consideration when transferring or filling tanks.

Application Recommendations

Sprayer

- Suggested agitation guidelines prior to transferring into nurse tank or sprayer:
    - Tote/Shuttle ~10min (with a stir rod connected to air),
    - 6K Cone bottoms ~30min, with compressed air connection on outlet valve.
    - 12K+ Bulk storage tank ~1-2 hrs. Recirculate with high volume transfer pump.

- If accumulated solids remain at bottom of tank when emptied, add water to resuspend the solids, then transfer to sprayer for immediate application.
- Thoroughly clean and rinse out all application equipment prior to application and upon completion.
- Until further testing is completed, tank mixing PrairieFood with herbicides is not recommended.
- Avoid dual placement with anhydrous ammonia.
- JD & Case IH row crop sprayers - Bypass Pulse Actuators across the boom to avoid major plugging issues.
- Recommended nozzles for ground applications – Wide-angle Turbo FloodJet TF7.5 thru TF10 & 1/4K TK-18 or 20 by TeeJet. Size is dependent on nozzle spacing (30”-60”), application rate (20-40gpa) and speed of travel. Reference TeeJet nozzle charts.

PIVOT INJECTION

- On low gallonage (<800 gpm) nozzle packages, it is recommended to plug every other nozzle and install larger orifice nozzles on 1st span of pivot to avoid plugging.
- Injector pump should have a minimum of 100 gph capacity to achieve desired PrairieFood application rate.
- What has worked: Agri inject fertilizer pump 110 gph with Mr. Mister backflow preventer. Screen pulled on the pump or can use a #10 mesh between the tank and the Agri Inject.
- Consider ¾ hp electric sump pump in 3000 gallon tank to agitate during sprinkler operation. What has worked: Small PVC “T” on the discharge of the pump helps keep solids suspended.

OTHER APPLICATION METHODS

- Other application methods such as in-furrow with planter and strip till applications are currently being evaluated. Best practices and tips will be shared when available.

Your Success is our Success. Let your soil health journey begin!