

Economical Second Shot Defoliation

ET[®] herbicide/defoliant is the best tool for second shot defoliation. ET quickly and economically removes both mature and juvenile foliage that may be left behind after your first application. In addition to consistent defoliation, ET remains effective at low dosages, even when temperatures drop.

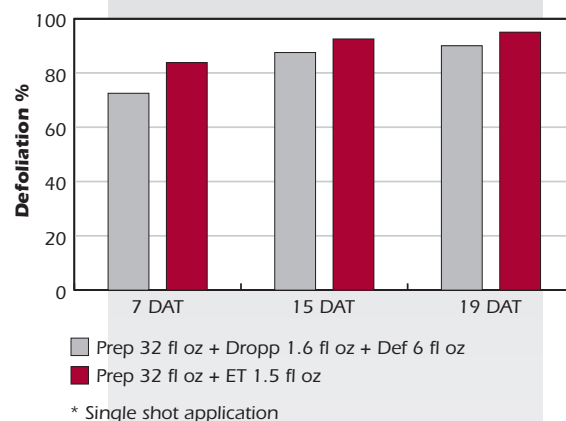
Key Benefits of Using ET in a Defoliation Program

- Proven leaf drop activity on both mature and juvenile leaves
- Industry leading performance for regrowth removal
- Maintains top performance in both cool and warm conditions, taking the guesswork out of defoliation
- Fast performance allows producers to more accurately time their harvest and protect quality
- Provides preharvest weed control, reducing lint trash and improving harvest efficiency

Feature and Benefit Comparison

	Mature Leaf Defoliation	Regrowth Defoliation	Delays Axillary Bud Regrowth	One Rate Warm/Cool	Morningglory Desiccation
ET + ethephon + COC	✓	✓	✓	✓	✓
Folex [®] + ethephon	✓				

Cotton Defoliation Trial*
Mississippi State University – Dr. Darrin Dodds
Fall 2009



ET 1.5 fl oz + 32 fl oz Ethephon 2nd Defoliation Application



Before Treatment



7 Days After Treatment

See reverse for additional information >



Cotton Defoliation

Application Timing

Second Shot: Optimum results are achieved when ET is applied 7 days after initial application.

First Shot: Achieving best results with an application of ET is dependent on proper application timing and the physiological maturity of the cotton plant. ET should be applied to a crop which has already begun to “cut-out” and has reached a mean maturity of 60% open boll.

Application Technique

The active ingredient in ET causes leaf drop through contact action. Therefore, optimum performance can only be achieved if coverage is uniform and penetrates the upper leaf canopy. The following application techniques should be followed to ensure the best performance.

- ET should be applied with medium to coarse size droplets using flat fan or hollow cone nozzles which aid in canopy penetration. The use of air induction nozzles is not recommended.
- For ground application: To ensure good coverage, a minimum of 20 gallons per acre spray volume should be used and application pressure and tractor speed should be optimized.
- For aerial application: Spray volume should not be less than 5 gallons per acre.

1.5 fl oz ET + 24 fl oz Ethephon + 0.5% COC 2nd Defoliation Application



Before Treatment



3 Days After Treatment

Use Recommendations

Program	Recommendation	Timing	Use Information
Second Shot Boll Opening + Leaf Drop	ET 1.5 fl oz + ethephon 21 – 32 fl oz + COC 0.5%	7 days after initial application	<ul style="list-style-type: none"> ■ If regrowth inhibition is desired, then a labeled rate of Dropp® SC, or products containing the same active ingredient, should be added to the tankmix. ■ ET can also be used in combination with enhanced ethephons, such as Finish®, FirstPick™, or CottonQuik®. ■ If cotton is severely drought-stressed or weed desiccation is desired, the rate of ET should be increased to 2.0 fl oz.
Second Shot Leaf Drop Only	ET 1.5 fl oz + ethephon 8 – 12 fl oz + COC 0.5%	7 days after initial application	
First Shot Boll Opening + Leaf Drop	ET 1.5 fl oz + ethephon 21 – 32 fl oz + COC 0.5%	60% open boll, or 4 NACB if fruiting gap exists	

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