Superior Defoliation of Mature and Juvenile Growth

ET® herbicide/defoliant provides fast, consistent defoliation of both mature and juvenile leaves across a broad range of climatic temperatures and variables. In addition to consistent defoliation, ET desiccates weeds and reduces late-season weed pressure.

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

Application Timing
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.

Cotton Defoliation Trial
UGA – Dr. Jared Whitaker
Midville GA, Fall 2011
## Use Recommendations

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| **One Shot Program**  | ET 1.5 fl oz + ethephon* + COC 0.5% | ▪ ET should be applied in a tankmix with ethephon to encourage boll opening and condition the tankmix.  
▪ ET can be used in combination with enhanced ethephons, such as Finish®, FirstPick™, or CottonQuik®.  
▪ ET should be applied when the crop has reached the 60% open boll stage.  
▪ ET should be applied in a minimum finished spray volume of 20 gallons per acre by ground and 5 gallons per acre by air.  
▪ ET may also be used in combination with products containing thidiazuron for regrowth inhibition. |
| **Two Shot Program**  | ET 1.5 fl oz + ethephon* + COC 0.5%  
Followed 7 days later by  
ET 1.5 fl oz + ethephon* + COC 0.5% | ▪ ET should be applied in a tankmix with ethephon to encourage boll opening and condition the tankmix.  
▪ ET can be used in combination with enhanced ethephons, such as Finish®, FirstPick™, or CottonQuik®.  
▪ ET should be applied when the crop has reached the 60% open boll stage.  
▪ Ethephon or enhanced ethephons should only be added in the second application if additional boll opening is needed.  
▪ ET should be applied in a minimum finished spray volume of 20 gallons per acre by ground and 5 gallons per acre by air.  
▪ ET may also be used in combination with products containing thidiazuron for regrowth inhibition. |
| **Regrowth Removal**  | ET 1.5 fl oz + ethephon* + COC 0.5% | ▪ ET should be applied in a minimum finished spray volume of 20 gallons per acre by ground and 5 gallons per acre by air. |

* ethephon 6 lb/gal equivalent  
** Nichino makes no specific claims that the recommended program will produce adequate defoliation in a single application. One shot defoliation is achievable only if product coverage is complete and the crop is physiologically mature.