



Preventing/Fighting Glyphosate Resistance in Oklahoma Cotton

- ✓ ***Plan ahead...devise an effective strategy early.***
 - Consider season long approach...PPI thru layby
 - Develop a spray schedule and consider alternatives
 - Purchase chemical ahead of time if possible
- ✓ ***Return to the residuals...still several options which have different MOA.****
 - Treflan/Prowl, Aim/Valor, Gramoxone Max, Caparol/Direx, Dual Magnum/Warrant, StapleLX/Pyrimax
 - Consider potential crop rotational issues when using residuals
- ✓ ***Tank-mixing with glyphosate should be a standard consideration***
 - Several in-season options, Prowl, Dual, Warrant, Staple, etc.
- ✓ ***Scout thoroughlybefore and after applications.***
 - Weed size at application time is key, check labels
 - Identifying failures as early as possible can be critical
- ✓ ***Make every application count!***
 - Choose appropriate rate for weed size at app....read labels
 - Properly condition water...8-17 lbs/100 gal AMSO4 prior to the addition of glyphosate to the tank
 - Use a spray volume that will provide good coverage...dense canopies require more water to effectively reach all weeds
 - Speed is your enemy...what good is finishing in an hour if it has to be re-sprayed
 - Avoid speeds that generate excess dust
 - Avoid spraying in extreme temperatures
- ✓ ***Diversify your practices.***
 - Don't rule out tillage
 - Rotation may be necessary

***Without the use of a residual product Palmer Amaranth
can emerge all season...don't save yourself into a disaster!***

*It is recommended that at least two different modes of action (MOA) be used in-season in addition to glyphosate.