

**CGA 362622 PERFORMANCE IN  
US COTTON AND SUGARCANE**  
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**Abstract**

CGA 362622 is a new broadspectrum postemergence herbicide for use in cotton and sugarcane. Weed control is achieved with rates from 2 to 6 g ai/acre in cotton and 6 to 20 g ai/acre in sugarcane. The addition of 0.25% v/v nonionic surfactant (NIS) improves weed control.

Small plot replicated trials applied with backpack sprayers or tractor mounted small plot sprayers have been conducted with a 75 WDG formulation since 1997. Results indicate that CGA 362622 applied early post over the top of 3 to 4 inch tall cotton at 2 g ai/acre with 0.25% NIS provides control of sicklepod (*Senna obtusifolia*), ivyleaf morningglory (*Ipomoea hederacea*), pitted morningglory (*Ipomoea lacunosa*) yellow nutsedge (*Cyperus esculentus*) and common cocklebur (*Xanthium strumarium*). The same weeds are controlled with a directed application at a mid-post timing (5 to 6 inch tall cotton) with 3 g ai/ha with 0.25% NIS. Some transient yellowing of cotton leaves and less often stunting can occur from over the top applications but the response dissipates quickly and does not affect cotton yield. Results also indicate that CGA 362622 is more effective on large weeds including sicklepod, yellow nutsedge, and morningglory than Staple or Roundup Ultra.

Results from sugarcane trials indicate that CGA 362622 also controls alligatorweed (*Alternanthera philoxeroides*) and broadleaf panicum (*Brachiaria adspersa*), in addition to the weeds listed above.