

**INTRODUCTION TO CGA 362622:
A NEW POSTEMERGENCE HERBICIDE
FROM NOVARTIS**

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Abstract

CGA 362622 is a new postemergence herbicide being developed for use in cotton and sugarcane by Novartis Crop Protection, Inc. Registration for use in both crops is expected in 2003. It is in the sulfonylurea chemical family and has been assigned the proposed common name trifloxysulfuron sodium. The commercial formulation will be a 75 WDG.

CGA 362622 has a broad application window for both cotton and sugarcane. Applications can be made from early postemergence over the top through post directed layby. The use rate is very low, 2g ai/A (0.1 oz of formulated product per acre) and will control small weeds, including sicklepod (*Senna obtusifolia*) and cocklebur (*Xanthium strumarium*). Rates up to 20g ai/acre can be used safely on larger weeds in post directed applications in sugarcane. CGA 362622 is effective on many difficult to control weeds in cotton, including sicklepod, cocklebur, nutsedge (*Cyperus spp.*), morningglory (*Ipomoea spp.*), and sesbania (*Sesbania exaltata*). It is also effective on large weeds, including morningglory.

CGA 362622 can be used safely in conventional, glyphosate (Roundup) tolerant, and bromoxynil (Buctril) tolerant cotton varieties. Occasionally, transient chlorosis, and less often stunting, can occur with over the top applications, but cotton recovers quickly and yields are not affected. No phytotoxicity to corn, soybean, rice, wheat, grain sorghum, peanut, or tobacco planted at normal intervals has been seen following applications of CGA 362622 in cotton grown in the anticipated usage area (Mid South, Southeast, and Coastal Bend of Texas).

CGA 362622 also provides control of important sugarcane weeds, including alligatorweed (*Alternanthera philoxeroides*) and broadleaf panicum (*Brachiaria adspersa*), in addition to the weeds listed above.