

1804 Evaluation of Targa Super 5EC (Quizalofop ethyl) for the control of grassy weeds in cotton

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Targa Super 5EC (Quizalofop ethyl) a post emergent herbicide for the control of grassy weeds was tried at ARS, Dharwad during 2005-06 and 2006-07. The results indicated that application of Targa Super 5EC (Quizalofop ethyl) @1 lit/ha controlled the grassy weeds viz. *Panicum* spp., *Digitaria marginata* , *Echinochloa Colonem* L., *Eleusine indica* L., *Dinebra retroflexa* (Vahl) Panz, *Alternanthera sessalis* and *Setaria* spp. that were predominant. However, at this concentrations, the notorious weeds *Cynodon dactylon* and *Cyprus rotundus* were not controlled effectively. But *Cynodon dactylon* was controlled to a considerable extent and *Cyprus rotundas* was not controlled. The number of weeds /m² and the dry weight of weeds were reduced significantly in the treatment receiving Targa Super 5EC @ 1 lit/ha. There was no phytotoxicity of Targa Super 5EC on cotton crop in all the concentrations tested. On the basis of mean yield of two years Targa Super 5EC @ 1 lit/ha gave significantly high returns of Rs. 19726/ha and highest additional returns of Rs. 7988/ha over farmers practice and this dose is economical.