

ORIGINAL

ABSTRACT

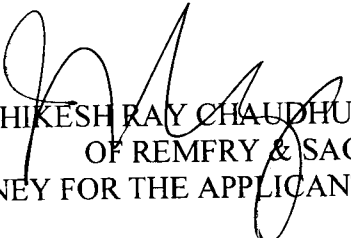
An herbicidal composition containing (a) fluroxypyr and (b) cyhalofop, metamifop or profoxydim provides synergistic control of selected weeds particularly in rice.

WHAT IS CLAIMED IS:

1. A synergistic herbicidal mixture comprising an herbicidally effective amount of (a) fluroxypyr and (b) an ACCase inhibitor herbicide.
2. The mixture of Claim 1 in which fluroxypyr is the acid itself or an agriculturally acceptable salt or ester.
3. The mixture of Claim 2 in which fluroxypyr is the meptyl ester.
4. The mixture of Claim 1 in which the ACCase inhibitor herbicide is from the aryloxyphenoxypropionic acid or derivative class of herbicides.
5. The mixture of Claim 4 in which the ACCase inhibitor herbicide is cyhalofop or metamifop.
6. The mixture of Claim 5 in which cyhalofop is the butyl ester.
7. The mixture of Claim 1 in which the ACCase inhibitor herbicide is from the cyclohexanedione class of herbicides.
8. The mixture of Claim 7 in which the ACCase inhibitor is profoxydim.
9. The mixture of Claim 1 in which the weight ratio of fluroxypyr (acid equivalent) to cyhalofop (acid equivalent) is between 1:12 and 16: 1.
10. The mixture of Claim 1 in which the weight ratio of fluroxypyr (acid equivalent) to metamifop or profoxydim (active ingredient) is between 1:10 and 75:1.
11. An herbicidal composition comprising an herbicidally effective amount of the herbicidal mixture of Claim 1 and an agriculturally acceptable adjuvant and/or carrier.
12. A method of controlling undesirable vegetation which comprises contacting the vegetation or the locus thereof with or applying to water to prevent the growth of the vegetation an herbicidally effective amount the herbicidal mixture of Claim 1.

13. A method of controlling undesirable vegetation in rice which comprises contacting the vegetation or the locus thereof with or applying to water to prevent the growth of the vegetation an herbicidally effective amount of the herbicidal mixture of Claim 1.

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