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AS> Vol.3 No.5, September 2012 OPENOACCESS Response of winter wheat (<i>Triticum aestivum</i> L.) to autumn applied saflufenacil PDF (Size: 173KB) PP. 755-758 DOI: 10.4236/as.2012.35091 Author(s) Lynette R. Brown, Nader Soltani, Christy Shropshire, Peter H. Sikkema ABSTRACT There is limited information on the effect of saflufenacil application timing when applied in autumn to winter wheat. Five field experiments were conducted over a three-year period (2007- 2009) at two locations (Ridgetown and Exeter, Ontario) to evaluate the tolerance of winter wheat to autumn applications of saflufenacil applied pre-plant (PP), pre-emergence (PRE), or post-emergence (POST) at 25, 50, 100 and 200 g a.i. ha ⁻¹ . As the dose of saflufenacil increased, the amount of injury observed also increased. By May of the following spring, injury ranged from 11 to 20% at the 25 to 200 g a.i. ha ⁻¹ doses of saflufenacil. Saflufenacil applied PP and PRE caused little to no injury in winter wheat. Saflufenacil applied POST and POST + Merge in the autumn caused up to 41% injury with the POST + Merge application being the most injurious. However, this injury was transient with no effect on winter wheat height or yield the following summer.		Special Issues Guideline		
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