

INTEGRATED CROP MANAGEMENT

Delayed herbicide options for emerged corn

NOTE: see also the [update](#) [1] to this article.

Whether due to unfavorable weather conditions or inevitable spring constraints, there are some fields where corn has emerged before the planned preemergence herbicides could be applied. Many preemergence corn herbicides can also be applied early postemergence in corn. Axiom, Balance, Define and Epic herbicides are exceptions and can only be applied prior to corn emergence. The table below lists some of the preemergence corn herbicide products that can also be applied postemergence, as well as the recommended maximum plant heights or growth stages at application. Products listed include only those that do not require specific, herbicide tolerant corn hybrids.

It is important to remember that control may be less consistent with delayed preemergence treatment compared to treatments applied closer to planting. This is primarily due to weeds germinating and emerging before exposure to the herbicides, but can also be due to other factors such as weed species present and weather conditions. Fields in which the preemergence herbicide applications were delayed a week or more after planting should be monitored to determine the actual control levels obtained. Weed control from preemergence herbicides may be acceptable, or additional control measures may be needed.

Always consult the individual herbicide labels for specific adjuvant requirements, rate adjustments, tank mix restrictions, insecticide interactions, and other precautions or comments regarding delayed preemergence and early postemergence applications.

Corn height/stage and maximum weed height/stage recommendations for preemergence herbicides that can also be applied postemergence.

Herbicide product	Corn height/stage	Maximum weed height/stage
Aatrex, Atrazine	0-12"	1.5"
Bicep II MAGNUM, Bicep II Lite Magnum, Cinch ATZ, Cinch ATZ Lite	Broadcast 0-5", Post-directed applications 5-12" corn	before 2 leaf stage
Bullet, Lariat	0-5"	before 2 leaf stage

Callisto	0-30"	5"
Camix	0-5"	prior to grass emergence, broadleaves less than 3"
Dual II MAGNUM, Cinch	0-40"	prior to emergence
Frontier, Outlook	0-12"	prior to emergence
Guardman MAX, G-Max Lite	0-12"	1.5"
Harness, Surpass, TopNotch, Degree	0-11"	prior to emergence
Harness Xtra	0-11"	before 2 leaf grass stage
Hornet	0-20"	6"
Degree Xtra, FulTime, Keystone, Keystone LA	0-11"	prior to emergence
Lasso, MicroTech	0-5"	prior to emergence
Lumax	0-5"	less than 3"
Marksman	0-8"	not listed on label
Prowl/Prowl H2O	0-30"	prior to emergence
Python	spike	prior to emergence

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<http://www.ipm.iastate.edu/ipm/icm//ipm/icm/2004/5-17-2004/herboption.html>

Links:

[1] <http://www.ipm.iastate.edu/ipm/icm/2004/5-31-2004/herboptions.html>

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