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Options for delayed herbicide applications

Brent A. Pringnitz

Iowa State University, bpring@iastate.edu

Robert G. Hartzler

Iowa State University, hartzler@iastate.edu

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Options for delayed herbicide applications

Abstract

As wet weather continues to delay fieldwork across the state, some fields of corn have emerged before the planned preemergence herbicide could be applied. [Last week's ICM article](#) on weed management discussed the effectiveness of delayed preemergence applications. Listed below are the herbicides that allow for delayed-preemergence or early-postemergence applications. Be sure to consult product labels to determine specific restrictions concerning delayed-preemergence applications or when tank-mixtures are used.

Keywords

Agronomy

Disciplines

Agricultural Science | Agriculture | Agronomy and Crop Sciences | Weed Science

INTEGRATED CROP MANAGEMENT

Options for delayed herbicide applications

As wet weather continues to delay fieldwork across the state, some fields of corn have emerged before the planned preemergence herbicide could be applied. [Last week's ICM article \[1\]](#) on weed management discussed the effectiveness of delayed preemergence applications. Listed below are the herbicides that allow for delayed-preemergence or early-postemergence applications. Be sure to consult product labels to determine specific restrictions concerning delayed-preemergence applications or when tank-mixtures are used.

Remember that these products primarily control weeds before they emerge and will have little or no effect on weeds already present in the field. If large populations of weeds have already emerged, a postemergence product may be necessary along with the preemergence herbicide. Consult the labels of each product involved before using any tankmix.

It is also important to note that when these products are applied after corn emergence only water can be used as a carrier.

Product	Delayed preemergence options
Atrazine	Apply before corn reaches 12" in height and weeds reach 1.5" in height.
Bicep II, Bicep Lite II, Bicep II Magnum, Bicep Lite II Magnum	Broadcast --apply before corn exceeds 5" in height or the weeds pass the 2-leaf stage. Directed --apply before corn exceeds 12" in height or the weeds pass the 2-leaf stage. Minimize contact with corn leaves.
Bladex 90DF, Extrazine II 4L, Extrazine II DF	Apply from crop emergence through 4-leaf stage of corn growth. Do not apply if 5th leaf is visible.
Broadstrike+Dual	May apply to corn up to 2" in height (before the first leaf is unfurled) but before weed emergence.
Bullet	May be applied after crop emergence until weeds reach the 2-leaf stage and corn is no more than 5" in height.
Dual Magnum, Dual II Magnum	May be applied up to 40"-tall corn. Applications to corn in excess of 5" should be directed toward the base of the plant.
Frontier	Up to 8" corn.

Guardsman, Leadoff	Up to 8" corn.
Harness, Surpass, Topnotch	Apply postemergence until corn reaches 11" in height.
Hornet	Soil-applied rates may be used on corn up to 2" in height (before the first leaf is unfurled). Use the labeled postemergence rates for later stages.
Prowl	Early postemergence --generally through 4-6-leaf. Refer to label for specific tank-mix recommendations. Culti-spray --apply from 4" through 12" corn height. Incorporate within 7 days.
Python	May apply to corn up to 2" in height (before the first leaf is unfurled).

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<http://www.ipm.iastate.edu/ipm/icm//ipm/icm/1999/5-24-1999/delayherb.html>

Links:

[1] <http://www.ipm.iastate.edu/ipm/icm/1999/5-17-1999/delaypre.html>

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