A Spray Tank's Last Check Chart - CORN

Early Postmergence= corn less than 12 inches
Early Postemergence= weeds less than 4 inches tall

Late Postemergence= corn over 18 inches
Late Postemergence= weeds are over 6 inches

Check the label for maximum crop stage for application and recommended adjuvants

When spraying, be sure to consider:
1. Right Herbicide 2. Right Rate 3. Right Timing

Do not rely solely on herbicides for weed control for an IWM approach visit **GROWIWM.org**

Herbicide-resistance risk
High
Medium
Low

Weed contr
E
VG
G
F
not applicab

Marestail / Horseweed

Marestail in the region is typically resistant to glyphosate and Group 2 herbicides

Active Ingredients	Representative Trade Names	MOA Number	Burndown	Residual	Early POST	Late POST
paraquat	Gramoxone	22	G +Grp5	--	--	--
saflufenacil	Sharpen	14	G	G	--	--
2,4-D	2,4-D	4	G	--	G	F
dicamba	Clarity/Status	4	--	--	G	G
simazine	Princep	5	--	VG	--	--
atrazine	Aatrex	5	G	VG	--	--
glufosinate	Liberty	10	--	--	VG	F
isoxaflutole	Balance Flexx	27	F +Grp5	G	--	--
mesotrione	Callisto	27	F +Grp5	G +Grp5	G +Grp5	F

Common ragweed

Populations of common ragweed in the region are multiple-resistant (Group 2, 9, 14)

Active Ingredients	Representative Trade Names	MOA Number	Burndown	Residual	Early POST	Late POST
paraquat	Gramoxone	22	G +Grp5	--	--	--
2,4-D	2,4-D	4	VG	--	VG	F
dicamba	Clarity/Status	4	--	--	VG	F
simazine	Princep	5	--	E	--	--
atrazine	Aatrex	5	VG	VG	VG	--
glufosinate	Liberty	10	--	--	VG	G
glyphosate (susceptible)	Roundup	9	E	--	VG	VG
isoxaflutole	Balance Flexx	27	F +Grp5 ?	G +Grp5	--	--
mesotrione	Callisto	27	G +Grp5	G +Grp5	G +Grp5	F
tembotrione	Laudis	27	--	F	G +Grp5	F
tolpyralate	Shieldex	27	--	F	G +Grp5	F
topramezone	Impact	27	--	F	G +Grp5	F

Palmer amaranth / Waterhemp

Populations of Palmer amaranth and waterhemp in the region are resistant to glyhphosate and Group 2

Active Ingredients	Representative Trade Names	MOA Number	Burndown	Residual	Early POST	Late POST
paraquat	Gramoxone	22	E	--	--	--
saflufenacil	Sharpen	14	G	F	--	--
2,4-D	2,4-D	4	G	--	G	F
dicamba	Clarity/Status	4	--	--	VG	G
simazine	Princep	5	--	E	--	--
atrazine	Aatrex	5	E	E	E	--
glufosinate	Liberty	10	--	--	VG	G
isoxaflutole	Balance Flexx	27	G +Grp5	G +Grp5	--	--
pendimethalin	Prowl	3	--	G	--	--
acetochlor	Harness	15	--	G	--	--
pyroxasulfone	Zidua	15	--	VG	--	--
metolachlor	Dual II, others	15	--	VG	--	--
mesotrione	Callisto	27	VG +Grp5	VG	VG +Grp5	F
tembotrione	Laudis	27	--	F +Grp5	VG +Grp5	F
topramezone	Impact	27	--	F +Grp5	VG +Grp5	F
tolpyralate	Shieldex	27	--	F +Grp5	VG +Grp5	F

Authors: Mark VanGessel[1], Ben Beale[2], Thierry Besacon[3], Melissa Bravo[3], Rakesh Chandran[4]
Michael Flessner[5], Dwight Lingengelter[6], Vijay Singh[5], Kurt Vollmer[2], John Wallace[6]
[1]University of Delaware, [2]University of Maryland Extension, [3]Rutgers University, [4]West Virginia Univesity, [5]Virginia Tech, [6]Penn State

April 2021