



Weed Management Planner **BEFORE PLANTING**

	Plant Type	broadleaf							grass	
	Lifecycle		annual perennial						perennial	
	Emergence Period fall/early spring					late spring		fall/spring		
	Growth Habit							simple	creeping	
	Primary Reproductive Structure	seed						seed	rhizome	
	Example Weed	chickweed	henbit/deadnettle	horseweed/ marestail	lambsquarters, common	ragweed, common	dandelion	brome, downy	quackgrass	
Ē	Continuous monoculture (base system)	Ν	Ν	Ν	N	N	N	N	Ν	
Crop Rotation ¹	Corn/soybean	Ν	N	F	F	Р	Р	Р	N	
op R(Add winter small grain	F	F	F	G	G	G	Р	Р	
Ŭ	Add perennial forage legume crop	G	G	G	G	G	F	G	Р	
	Winter and spring competition									
1) ²	small grain	G	G	E	G	F	G	F	N	
Crops (fall seeded)²	legume	F	F	G	F	Р	F	Р	Ν	
ill se	radish	F	F	F	D	D	F	Р	Ν	
os (fa	Early terminated (low residue) ⁵			F	Р	Р	Р		N	
Crop	Late terminated (high residue) ⁵									
Cover	small grain			E	G	F	E		Р	
Ŭ	legume			G	F	Р	F		Р	
	small grain-legume mix			E	G	F	Е		Р	
n³	No-till (base system)	Ν	Ν	D	D	N	D	N	D	
Cultivation³	Moldboard plow, once in four years ⁶	E	E	E	E	G	Е	Е	F	
Culti	Annual fall moldboard plow	G	G	G	N	N	G	G	G	
and	Annual spring moldboard plow	E	E	E	N	D	Е	Е	F	
Tillage and	Spring disk or chisel plow ⁷	E	E	E	N	D	Е	E	Р	
Ē	Vertical tillage/turbo till (fall)	Р	Р	Р	N	N	N	N	N	
D	Early planting date									
Planting	corn	Ν	N	Ν	Р	Р	N	N	N	
ā	soybean	Ν	N	Ν	F	F	N	N	N	
	Equipment sanitation ⁸	Р	Р	F	F	F	F	Р	Р	
	Post harvest burndown	G	F	G	F	F	G	F	G	
	after silage harvest	Р	Р	Р	G	G	F	N	G	
ical ⁴	after grain harvest	G	F	G			G	F	G	
Chemical ⁴	Post harvest burndown with fall residual	G	G	F	N	N	-	G	N	
	Residual with spring burndown	Е	Е	G	G	G	F	G	G	
	Residual with burndown ⁹	Е	Е	Е	Е	G	-	F	Р	

Tactics in italics target the weed seed bank rather than in-season management.

- ¹ Crop rotation based on the impact of planting date altering crop architecture only not other weed control strategies associated with different crops. Continuous monoculture is the base system; ratings within crop rotation are based relative to this.
- ² Assumes timely planting (by October 15 for small grains, by October 1 for legumes, and by Sept 15 for radish), attaining at least 6,000 lbs of biomass per acre at termination, and cash crop planting within 2 weeks after termination.
- ³ No-till is defined as the base system and ratings within tillage/cultivation are relative to this.
- ⁴ Assumes effective herbicide use. Please consult the Mid-Atlantic Field Crop Weed Management Guide
- ⁵ Ratings based on seedling emergence after cover crop termination.
- ⁶ Ratings based on first season following moldboard plow/inversion tillage only. ⁷ Spring tillage prior to planting.
- ⁸ Ratings based on spread of weed from field to field, not within a field.
- ⁹ Ratings based on effects of residual herbicide, not burndown.

Efficacy ratings of weed management tactics in the mid-Atlantic region

- **Detrimental:** this tactic may increase weed problems by D spreading propagules or increasing density **No effect:** this tactic will not impact management of this Ν weed
- Ρ **Poor:** this tactic will marginally reduce weed density
- **Fair:** this tactic will moderately reduce weed density and may reduce competitiveness
- Good: this tactic consistently reduces weed density and competitiveness
- **Excellent:** this tactic significantly reduces weed density and minimizes competitiveness

COOPERATIVE

EXTENSION

No data: or information available

Not applicable

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F













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Weed Management Planner **AFTER PLANTING**

Primary Reproductive Structure large seed small seed small seed seed seed tarpe seed se sed sed	r pstrate/ short simple seed tuber seed fully N N N N P P P P P P N N F P	perennialrhizomerhizomerhizomelllllllNlPlPlPlPlPlN
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Growth Habitimpleviningsimpleviningprostrateuprightviningprostrateupright		

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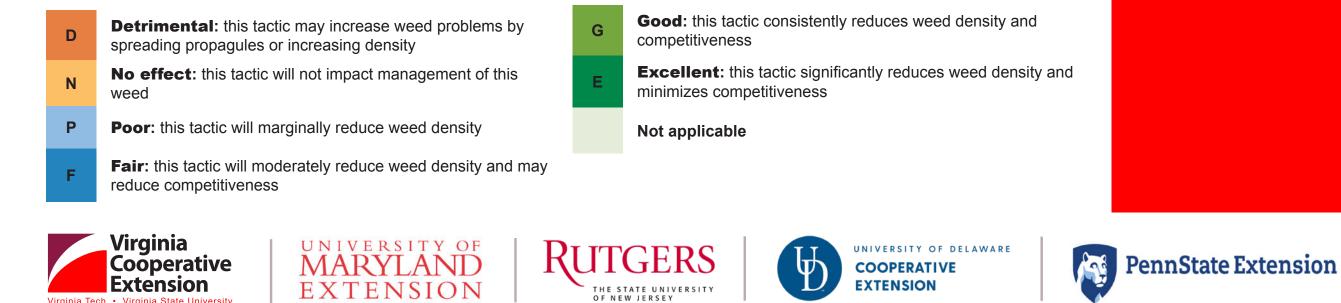
⁷ Spring tillage prior to planting.

⁸ Planted 2 to 3 weeks earlier than a typical planting date for the region.

⁹ Harvest weed seed control with a grain head; do not use ratings for corn grain harvest.

- ¹⁰ Implemented approximately 2 to 3 weeks after harvest.
- ¹¹ Ratings based on spread of weed from field to field, not within a field.
- ¹² Full season burndown (not double crop soybean burndown timing). ¹³ Ratings based on effects of residual herbicide, not burndown.

Efficacy ratings of weed management tactics in the mid-Atlantic region





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