Weed Management in the Hayfield



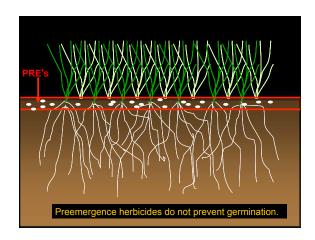
Problem Weed Control in Forages and Pastures

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Preemergence Herbicides

- Chateau (flumioxazin)
 - Alfalfa
- Kerb (pronamide)
 - Legumes
- Prowl H₂O (pendimethalin)
 - Grass pastures



pendimethalin



- Trade Name: Prowl H₂O (3.8SL)
- Family: Dinitroaniline
- Mode of action: Mitosis inhibition
- · Applications: 1.1 to 4.2 qt/acre
- Maximum Use: 4.2 qt/acre per year
- · Grazing restrictions: 45 days after treatment

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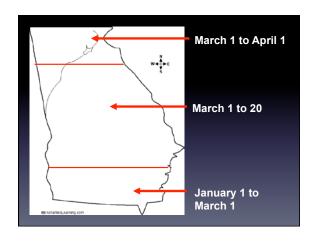
Preemergence Herbicides

- · Application Timing
 - Before weeds germinate or establish
 - High enough concentration to control germination
- · Initial Germination Timing
 - Crabgrass: 55 to 60° soil temperature
 - Goosegrass: 6o to 65° soil temperature
 - If targeting goosegrass only, applications may be delayed three to four weeks.

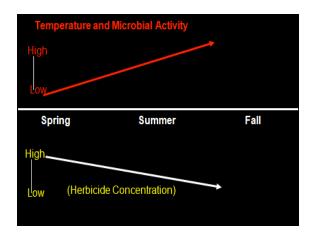


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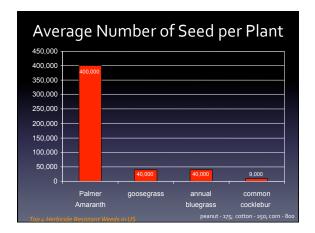
Extending the Length of Annual Weed Control • Apply split applications 6-8 weeks apart • For example, Prowl H2O (3.8 lb/gal) at 3 lb a.i./acre, — In March, apply 1.5 lb a.i./acre — In mid-June, apply 1.5 lb a.i./acre



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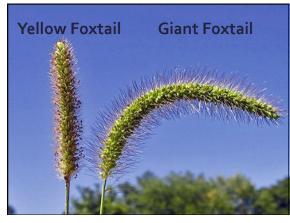


Pigweed Control			
Common Name	Trade Name	Control	
2,4-D (and combination products)	various	G-E	
aminopyralid (and combinations)	Milestone	E	
dicamba	Banvel, Clarity	Е	
imazamox	Raptor	G-E	
imazapic	Impose	G-E	
imazethapyr	Pursuit	G-E	
metribuzin	Sencor	G	
metsulfuron (and combinations)	Cimaron, others	Е	
nicosulfuron + metsulfuron	Pastora	G-E	
picloram + fluroxypyr	Surmount	G	
triclopyr	Remedy	Е	













Common Name	Trade Name	Control
imazapic	Impose*	G
imazamox	Raptor	F-G
imazethapyr	Pursuit	G
nicosulfuron + metsulfuron	Pastora	F-G
pendimethalin (PRE)	Prowl*	F
sethoxydim	Poast*	E







Warm- <mark>seas</mark> on p Cause major for			
-Late summer n suppression -Herbicides in s		ide accep	table control or
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Dogfennel Control		
Common Name	Trade Name	Control
2,4-D	various	F
2,4-D + dicamba	Weedmaster	Е
2,4-D + picloram	Grazone P + D	G-E
2,4-D + triclopyr	Crossbow	Е
dicamba	Banvel, Clarity	E
metsulfuron	Cimaron	F-G
metsulfuron + 2,4-D + dicamba	Cimarron Max	G-E
triclopyr	Remedy	E

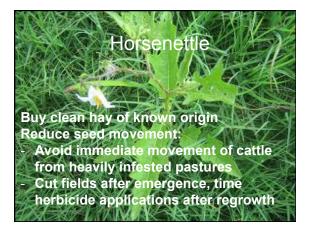








Horsenettle Control		
Common Name	Trade Name	Control
2,4-D	various	Р
2,4-D + dicamba	Weedmaster	F
2,4-D + picloram	Grazon P + D	G-E
2,4-D + triclopyr	Crossbow	P-F
aminopyralid	Milestone	Е
aminopyralid + 2,4-D	GrazonNext	E
dicamba	Banvel, Clarity	G
metsulfuron	Cimaron, others	Р
metsulfurn + chlorsulfuron	Cimarron Plus	P-F
metsulfuron + 2,4-D + dicamba	Cimarron Max	P-F
picloram + fluroxypyr	Surmount	Е
triclopyr	Remedy	F



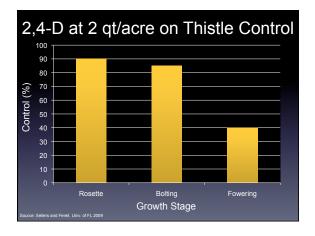


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Thistle Control			
Common Name	Trade Name	Control	
2,4-D (and combination products)	various	Е	
aminopyralid	Milestone	Е	
aminopyralid + metsulfuron	Chaparral	Е	
dicamba	Banvel, Clarity	G	
metsulfuron	Cimaron, others	F	
metsulfuron + 2,4-D + dicamba	Cimarron Max	G-E	
nicosulfuron + metsulfuron	Pastora	G	
picloram + fluroxypyr	Surmount	G	
triclopyr	Remedy	Е	
triclopyr + fluroxypyr	PastureGard	G	







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Sneezeweed and Sicklepod Control		
Common Name	Trade Name	Control
2,4-D	various	G
2,4-D + picloram	Grazon P + D	G
2,4-D + triclopyr	Crossbow	Е
aminopyralid	Milestone	G-E
dicamba	Banvel, Clarity	Е
imazapic	Impose	G
metsulfuron	Cimaron, others	G
metsulfurn + chlorsulfuron	Cimarron Plus	G
metsulfuron + 2,4-D + dicamba	Cimarron Max	G
nicosulfuron + metsulfuron	Pastora	G-E
picloram + fluroxypyr	Surmount	G
triclopyr	Remedy	Е





Pastora + Glyph	nosate (Roundup)
Weed Species	Control*
Broomsedge	Poor
Fescue, Tall	Poor-Fair
Johnsongrass	Excellent
Plantain, Buckhorn	Excellent
**Excellent = 90 to 100%, Good 80 69% or less) to 89%, Fair = 70 to 79%, Poor =







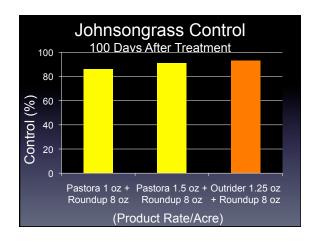
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Johnsongrass Control		
Common Name	Trade Name	Control
imazamox	Raptor	F
imazapic	Impose	F-G
nicosulfuron + metsulfuron	Pastora	G-E
sethoxydim	Poast	G
sulfosulfuron	Outrider	Е

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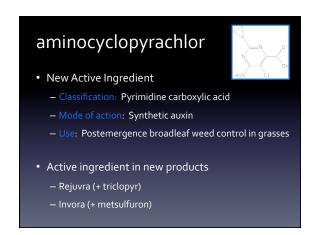
Johnsongrass Control • Maximize herbicide application efficacy: – Johnsongrass is a minimum of 18 inches tall. – Prior to seedhead emergence. – Add a nonionic surfactant at 0.25% v/ v.







Sandbur Control			
Common Name	Trade Name	Control	
benefin (PRE)	Balan	G	
imazapic	Impose	G-E	
metribuzin	Sencor	F	
nicosulfuron + metsulfuron	Pastora	F-G	
pendimethalin (PRE)	Prowl	G	
sethoxydim	Poast	G	







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