New Wipers for Weed Management in Pasture and Hayfield

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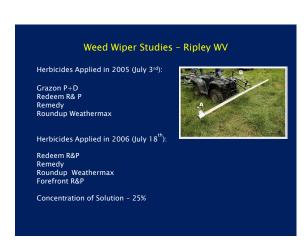
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Wick Applicator Application of a concentrated herbicide solution to weeds using a bar or similar device soaked with the herbicide solution Works when there is a distinct height difference between the weeds and the crop Effective with systemic herbicides Offers some benefits but has some disadvantages Two types of Applicators tested in West Virginia: 1) Weed Wiper 2) Rotary Weed Wiper

Weed Wiper



Weed Wiper		
Pros	Cons	
Simple to operate/cleanup	Inconsistent weed control	
Low equipment cost	Injury from drip	
Easy to transport	Not effective for slopes	
Uses less herbicide per acre	Poor control of output	
	Better for Liquid formulations	
Potani	Bi-directional application	
Rotary ¹ Pros	Bi-directional application Weed Wiper Cons	
	Weed Wiper	
Pros	Weed Wiper Cons	
Pros More consistent weed control	Weed Wiper Cons Higher cost	
Pros More consistent weed control Less injury from drip	Weed Wiper Cons Higher cost	

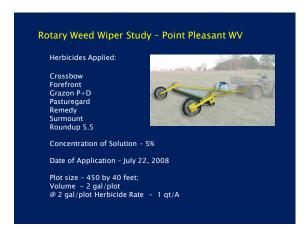


Effect of Weed Wiper in a Hayfield 12 MAT Ironweed Herbicide Application/s Ironweed count control Grazon P+D 5.0 c 50.0 c Single Redeem R& P 56.8 bc Single Remedy Single Roundup Single 8.0 ab 20.0 de Weathermax 2.7 d 73.8 a $Grazon \ P + D$ Double Redeem R& P Double 3.0 d 70.0 ab Double 3.0 d 70.0 ab Remedy 26.5 d Roundup Double Weathermax Control 8.7 a 13.0 e

Herbicide	Ironweed	Ironweed
	count	control
Redeem R&P	10 a	46 a
Remedy	10 a	46 a
Roundup	11 ab	41 ab
orefront R&P	12.7 b	32 b
Control	18.7 c	0 c
Control	18.7 c	0 с







Treatment	Ironweed Control	Clover no.
Crossbow	77	5.0
orefront	89	
Grazon P+D	93	
asturegard	80	4.8
Remedy	70	
Surmount	89	8.0
Roundup 5.5	71	7.8
Control	0	8.0
.SD		

Treatment	Ironweed Control	Clover no.
	(no.)	
Crossbow	63 (42)	8.8
Forefront	77 (22)	7.3
Grazon P+D	85 (7)	8.8
Pasturegard	85 (7)	10.0
Remedy	73 (23)	8.8
Surmount	78 (13)	8.8
Roundup 5.5	33 (45)	9.3
Control	0 (70)	10.0
LSD	11 (12)	1.6

















