

# Spartan-Command Combinations for Dark Tobacco

## 2010 – HRREC, Springfield, TN

- NL Madole LC set June 3 (4614 plants/A)
- Pretransplant incorporated (PTI) and pretransplant surface (PRE) applications made June 2 (15 gal/A broadcast).
  - PTI applications incorporated <2 in. with Do-All.
- Trial was randomized complete block design with 4 replications of each treatment.
  - 4-row plots, 40 ft. long.
- Data collected:
  - Weed control data by species every 2 wks through late July
  - Dark-fired yield and quality grade index

# Spartan-Command Combinations for Dark Tobacco

## 2010 – HRREC, Springfield, TN - Treatments

Trt	Treatment	Rates (oz/A)	Application Timing
1	Spartan 4F	8 oz/A	PTI
2	Command 3ME	32 oz/A	PTI
3	Spartan 4F	10.6 oz/A	PTI
4	Command 3ME	42.7 oz/A	PTI
5	Spartan 4F + Command 3ME	5.4 oz/A + 21.3 oz/A	PTI
6	Spartan 4F + Command 3ME	8 oz/A + 32 oz/A	PTI
7	Spartan 4F + Command 3ME	10.6 oz/A + 42.7 oz/A	PTI
8	Spartan 4F	8 oz/A	PRE
9	Command 3ME	32 oz/A	PRE
10	Spartan 4F	10.6 oz/A	PRE
11	Command 3ME	42.7 oz/A	PRE
12	Spartan 4F + Command 3ME	5.4 oz/A + 21.3 oz/A	PRE
13	Spartan 4F + Command 3ME	8 oz/A + 32 oz/A	PRE
14	Spartan 4F + Command 3ME	10.6 oz/A + 42.7 oz/A	PRE
15	Untreated Check	0	-

# Spartan-Command Combinations for Dark Tobacco

2010 – HRREC, Springfield, TN – Late Weed Control Data (July 19)

Treatment	Rates (oz/A)	Timing	Large Crabgrass	Prickly Sida	Carpet weed	Smooth Pigweed
			----- % Control (0-100%) -----			
Spartan	8	PTI	93 a	90 a	60 abcd	100 a
Command	32	PTI	95 a	80 a	53 cd	79 a
Spartan	10.6	PTI	93 a	86 a	73 abc	100 a
Command	42.7	PTI	98 a	91 a	48 cd	93 a
Spartan + Command	5.4 + 21.3	PTI	93 a	95 a	74 abc	73 a
Spartan + Command	8 + 32	PTI	88 a	80 a	58 bcd	75 a
Spartan + Command	10.6 + 42.7	PTI	93 a	100 a	63 abcd	91 a
Spartan	8	PRE	75 a	90 a	80 abc	100 a
Command	32	PRE	100 a	100 a	26 de	93 a
Spartan	10.6	PRE	96 a	90 a	100 a	100 a
Command	42.7	PRE	100 a	100 a	48 cd	80 a
Spartan + Command	5.4 + 21.3	PRE	100 a	100 a	98 a	100 a
Spartan + Command	8 + 32	PRE	100 a	100 a	93 ab	100 a
Spartan + Command	10.6 + 42.7	PRE	100 a	100 a	100 a	100 a
Untreated Check	0	-	0 b	0 b	0 e	0 b

# Spartan-Command Combinations for Dark Tobacco

2010 – HRREC, Springfield, TN – Dark-Fired Yield and Quality Grade Index

Treatment	Rates (oz/A)	Timing	Lug	Second	Leaf	Total	Quality Grade Index
			----- Yield (lbs/A) -----				0-100
Spartan	8	PTI	184 a	480 a	1549 a	2214 a	56.7 a
Command	32	PTI	165 a	532 a	1619 a	2316 a	57.0 a
Spartan	10.6	PTI	165 a	503 a	1810 a	2478 a	58.5 a
Command	42.7	PTI	182 a	532 a	1803 a	2517 a	58.1 a
Spartan + Command	5.4 + 21.3	PTI	162 a	531 a	1775 a	2468 a	53.1 a
Spartan + Command	8 + 32	PTI	217 a	543 a	1850 a	2609 a	56.3 a
Spartan + Command	10.6 + 42.7	PTI	195 a	623 a	1987 a	2804 a	54.3 a
Spartan	8	PRE	167 a	492 a	1856 a	2514 a	62.5 a
Command	32	PRE	174 a	472 a	1701 a	2347 a	46.7 a
Spartan	10.6	PRE	191 a	581 a	2007 a	2779 a	56.4 a
Command	42.7	PRE	172 a	565 a	1906 a	2643 a	52.4 a
Spartan + Command	5.4 + 21.3	PRE	212 a	543 a	2067 a	2822 a	59.4 a
Spartan + Command	8 + 32	PRE	207 a	601 a	1943 a	2750 a	53.9 a
Spartan + Command	10.6 + 42.7	PRE	190 a	483 a	1934 a	2607 a	61.0 a
Untreated Check	0	-	179 a	456 a	1641 a	2275	52.1 a

# Spartan-Command Combinations for Dark Tobacco

2010 – HRREC, Springfield, TN – Trial Summary

- Weed control was best with Spartan-Command combinations compared to Spartan or Command alone.
- Weed control from PRE applications was generally better than PTI applications.