





MHA 2017

## June

SUNDAY	MONDAY	TUESDAY	WEDNESDAY
4	5	6	7
11	12	13	14
18	19	20	21
25	26	27	28

Pietro

STATE





2017 Bayer Irrigated Corn Foliar Fungicide - Kansas River Valley Experiment Field, Rossville, KS.

Product	Rate	Timing	Yield	Moisture	Test Weight
	oz acre <sup>-1</sup>		bu acre <sup>-1</sup>	%	lb bu <sup>-1</sup>
Untreated Check	-----	-----	227.4 a*	17.9 b	58.5 a
Stratego YLD	4 oz	VT/R1	232.7 a	18.5 b	58.2 a
USF 0728	8 oz	VT/R1	235.7 a	18.4 b	58.1 a
Stratego YLD	4 oz	VT + 7 days	233.0 a	18.3 b	58.7 a
Stratego YLD	4 oz	VT + 14 days	216.6 a	20.0 a	56.7 b
<b>Average</b>			<b>225.9</b>	<b>18.3</b>	<b>58.2</b>

\* Means within a column followed by the same letter are not significantly at P=0.05.

2017 Bayer Dryland Corn Foliar Fungicide - Kansas River Valley Expt. Field, Silver Lake, KS.

Product	Rate	Timing	Yield	Moisture	Test Weight
	oz acre <sup>-1</sup>		bu acre <sup>-1</sup>	%	lb bu <sup>-1</sup>
Untreated Check	----	----	229	16.9	60.1
Stratego YLD	4 oz	VT/R1	206	16.7	59.8
USF 0728	8 oz	VT/R1	244	17.1	59.9
Stratego YLD	4 oz	VT + 7 days	243	17.1	59.9
Stratego YLD	4 oz	VT + 14 days	246	17.4	59.9
<b>Average</b>			<b>234</b>	<b>17.0</b>	<b>59.9</b>
<b>LSD P=0.05</b>			<b>NS</b>	<b>NS</b>	<b>NS</b>

















2017 DuPont FeXapan in conventional-till 2-pass programs for RR2X soybeans Silver Lake, Kansas.

Treatment	Rate	Pre-Emerge						Post Emerge								
		14 DAP			31 DAP			14 DAT			31 DAT			42 DAT		
		PA	MG	GiFT	PA	MG	GiFT	PA	MG	GiFT	PA	MG	GiFT	PA	MG	GiFT
		weed control, %						weed control, %								
Trivence fb Abundit Edge + Fexapan	8 oz fb 22 oz + 22 oz	100	100	87	89	100	40	95	97	94	99	95	99	99	93	99
Trivence fb Abundit Edge + Fexapan + Cinch	8 oz fb 22 oz + 22 oz + 1 pt	99	99	99	99	98	64	100	96	95	100	100	98	100	99	98
Envive fb Abundit Edge + Fexapan	3.5 oz fb 22 oz + 22 oz	99	98	91	98	91	88	99	96	96	96	100	100	96	100	100
Envive fb Abundit Edge + Fexapan + Cinch	3.5 oz fb 22 oz + 22 oz + 1 pt	100	96	96	99	93	78	99	97	99	98	100	100	98	100	100
Canopy + Cinch fb Abundit Edge + Fexapan	6 oz + 1 pt fb 22 oz + 22 oz	99	96	99	98	98	91	99	98	99	100	100	100	100	100	100
Canopy + Cinch fb Abundit Edge + Fexapan + Cinch	6 oz + 1 pt fb 22 oz + 22 oz + 1 pt	100	100	95	100	94	95	100	99	99	100	100	100	100	100	100
Authority XL + Metribuzin fb Flexstar GT	6 oz + 8 oz fb 3.5 pt	100	96	98	100	98	80	100	98	97	100	100	100	100	100	100
Untreated Check		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>LSD<sub>(0.05)</sub></b>		<b>NS</b>	<b>NS</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>40</b>	<b>3</b>	<b>NS</b>	<b>3.5</b>	<b>3</b>	<b>2</b>	<b>1.5</b>	<b>3</b>	<b>2</b>	<b>1</b>

**2017 DuPont FeXapan in conventional-till 2-pass programs for RR2X soybeans Silver Lake, Kansas.**

<b>Treatment</b>	<b>Rate</b>	<b>Pre-Emerge</b>	<b>Post Emerge</b>	<b>Yield</b>
		weed control, %		bu acre <sup>-1</sup>
Trivence fb Abundit Edge + Fexapan	8 oz fb 22 oz + 22 oz	89	97	82 ab
Trivence fb Abundit Edge + Fexapan + Cinch	8 oz fb 22 oz + 22 oz + 1 pt	93	98	77 ab
Envive fb Abundit Edge + Fexapan	3.5 oz fb 22 oz + 22 oz	94	98	71 bc
Envive fb Abundit Edge + Fexapan + Cinch	3.5 oz fb 22 oz + 22 oz + 1 pt	94	99	84 a
Canopy + Cinch fb Abundit Edge + Fexapan	6 oz + 1 pt fb 22 oz + 22 oz	97	100	80 ab
Canopy + Cinch fb Abundit Edge + Fexapan + Cinch	6 oz + 1 pt fb 22 oz + 22 oz + 1 pt	98	100	79 ab
Authority XL + Metribuzin fb Flexstar GT	6 oz + 8 oz fb 3.5 pt	95	100	74 abc
Untreated Check		0	0	64 c
<b>Average</b>				<b>76.4</b>





2017 DuPont Soybean Weed Resistance Management, Silver Lake, Kansas.

Treatment	Rate	Pre-Emerge						Post Emerge								
		14 DAT			27 DAT			17 DAT			28 DAT			42 DAT		
		PA	MG	GiFT	PA	MG	GiFT	PA	MG	GiFT	PA	MG	GiFT	PA	MG	GiFT
		weed control, %						weed control, %								
Canopy + Cinch fb Liberty 280 + Cinch	6 oz + 1.25 pt fb 29 oz + 1 pt	100	100	100	96	98	68	100	100	100	99	100	100	100	100	100
Canopy + Zidua fb Liberty 280 + Cinch	6 oz + 1.5 oz fb 29 oz + 1 pt	100	98	100	98	96	95	100	100	100	100	100	100	100	99	100
Canopy + Boundary fb Liberty 280 + Cinch	2 ¼ oz + 1.5 pt fb 29 oz + 1 pt	100	100	100	96	94	99	99	100	100	99	100	100	100	98	100
Trivence fb Liberty 280 + Cinch	8 oz fb 29 oz + 1 pt	100	99	100	93	98	90	100	100	100	100	100	100	100	99	100
Trivence + Zidua fb Liberty 280 + Cinch	8 oz + 1.5 oz fb 29 oz + 1 pt	100	100	100	95	93	86	100	100	100	100	100	100	100	98	100
Combo 776* fb Liberty 280 + Cinch	0.9 oz + 6.3 oz + 1.8 oz fb 29 oz + 1 pt	100	100	99	99	96	79	100	100	100	100	100	100	100	98	100
Combo 776 + Zidua fb Liberty 280 + Cinch	0.9 oz + 6.3 oz + 1.8 oz + 1.5 oz fb 29 oz + 1 pt	100	100	100	100	97	97	100	100	100	100	100	100	100	99	100
Combo 710** + Cinch fb Liberty 280 + Cinch	1.15 oz + 6.1 oz + 1.25 pt fb 29 oz + 1 pt	99	100	100	90	86	89	98	100	100	98	100	100	100	95	100
Combo 710 + Zidua fb Liberty 280 + Cinch	1.15 oz + 6.1 oz + 1.5 oz fb 29 oz + 1 pt	100	98	100	98	94	95	100	100	100	99	100	100	100	99	100
Envive fb Liberty 280 + Cinch	3.5 oz fb 29 oz + 1 pt	100	100	96	99	96	94	100	100	100	100	100	100	100	99	100
Boundary fb Liberty 280 + Cinch	2 pt fb 29 oz + 1 pt	100	100	100	91	85	84	100	100	100	100	100	100	100	97	100
Untreated Check		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Average</b>		<b>99</b>	<b>99</b>	<b>99</b>	<b>96</b>	<b>94</b>	<b>89</b>	<b>99</b>	<b>100</b>	<b>100</b>	<b>99</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>98</b>	<b>100</b>
<b>LSD<sub>(0.05)</sub></b>		<b>1.1</b>	<b>1.5</b>	<b>1.5</b>	<b>9.2</b>	<b>NS</b>	<b>20</b>	<b>1.2</b>	<b>NS</b>	<b>NS</b>	<b>1.2</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>4.1</b>	<b>NS</b>

2017 DuPont Soybean Weed Resistance Management, Silver Lake, Kansas.

Treatment	Rate	% weed control		Yield bu acre <sup>-1</sup>
		Preemergence	Post emergence	
Canopy + Cinch	6 oz + 1.25 pt	94	100	77.5 ab <sup>†</sup>
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Canopy + Zidua	6 oz + 1.5 oz	98	100	77.7 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Canopy + Boundary	2 ¼ oz + 1.5 pt	98	99	68.6 b
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Trivence	8 oz	97	100	78.9 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Trivence + Zidua	8 oz + 1.5 oz	96	100	83.7 a
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Combo 776*	0.9 oz + 6.3 oz + 1.8 oz	95	100	77.0 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Combo 776 + Zidua	0.9 oz + 6.3 oz + 1.8 oz + 1.5 oz	99	100	79.6 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Combo 710** + Cinch	1.15 oz + 6.1 oz + 1.25 pt	94	99	75.5 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Combo 710 + Zidua	1.15 oz + 6.1 oz + 1.5 oz	98	100	78.3 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Envive	3.5 oz	97	100	74.7 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Boundary	2 pt	93	100	73.9 ab
fb Liberty 280 + Cinch	fb 29 oz + 1 pt			
Untreated Check		0	0	55.1 c‡
<b>Average</b>				<b>75.0</b>









## Soybean Fungicide and Insecticide Effect on Soybeans at Silver Lake, KS

Treatment	Rate	Efficacy, %		Soybean		
		14 DAT	28 DAT	Yield	Moisture	Test Weight
	oz acre <sup>-1</sup>	diseased leaf, %		bu acre <sup>-1</sup>	%	lb bu <sup>-1</sup>
Approach Prima	6.8	0.8 b*	54**	69	10.3	55.3 a
Approach Prima + Prevathon	6.8 + 14	0.8 b	56	71	10.3	54.8 bc
Trevo Prop	10.5	1.0 b	58	67	10.4	54.7 bc
Quilt Xcel	10.5	0.8 b	60	68	10.3	55.2 ab
Trevo Prop + Warrior II	10.5 + 1.9	0.5 b	64	69	10.2	55.2 ab
Untreated Check	--	5.5 a	53	67	10.2	54.5 c
<b>Average</b>				<b>68.4</b>	<b>10.3</b>	<b>55</b>
<b>LSD (P=0.05)</b>				<b>NS</b>	<b>NS</b>	

\* Frog eye leaf spot was the only disease showing and was very light.

\*\* At 28 days SDS had moved into the plots making accurate assessment ratings for any of the other diseases impossible.

**USA-17-612 (PRA-17-051) WGX17 SB Foliar Disease - Silver Lake, KS**

Treatment	Rate	Soybean		
		Yield	Moisture	Test Weight
	oz acre <sup>-1</sup>	bu acre <sup>-1</sup>	%	lb bu <sup>-1</sup>
Experimental 1	7.1	59 b*	10.4	55.0 a
Experimental 1	8.1	57 b	10.3	54.8 ab
Experimental 1	8.8	59 b	10.4	54.4 ab
Experimental 2	8.9	59 b	10.3	54.5 ab
Experimental 2	10.3	58 b	10.3	54.4 ab
Experimental 2	11.1	59 b	10.4	54.8 ab
Aproach Prima	6.8	58 b	10.3	54.7 ab
Stratego YLD	4.0	69 a	10.3	55.0 a
Stratego YLD	4.65	53 b	10.4	54.9 ab
Quadris Top SBX	7.0	60 b	10.4	54.0 b
Untreated Check	--	61 ab	10.4	55.1 a
<b>Average</b>		<b>59</b>	<b>10.4</b>	<b>54.7</b>

\* Means within a column followed by the same letter are not different at the P=0.05 level of significance.





Lab ID	Sample ID	%N	%P	%K	%Ca	%Mg	%SO <sub>4</sub> -S	Cu ppm	Fe ppm	Mn ppm	Zn ppm
100514	good wheat flag leaf	2.45	0.212	2.32	0.266	0.100	0.138	3.7	57.0	58.4	13.9
100515	bad wheat flag leaf	2.72	0.272	1.95	0.219	0.105	0.067	3.2	97.8	62.7	25.2







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