Canada thistle and grass control in wheat

The objective of the stud was to evaluate Canada thistle control in spring wheat with WideMatch compared to a new formulation, PerfectMatch. PerfectMatch is not labeled for use as of 2011. None of the treatments caused significant crop injury. All treatments provided good Canada thistle control with the exception of Everest 2.0 + 2,4-D amine. A side note observation was the difference in grass control provided by the different treatments. GoldSky provided excellent control of barnyardgrass, fair control of green foxtail, and excellent control of yellow foxtail. Axial XL provided fair control of barnyardgrass, poor control of green foxtail, and excellent control of yellow foxtail. Everest 2.0 provided poor control of barnyardgrass, excellent control of green foxtail, and fair control of yellow foxtail.

Table. Canada Thistle and grass contro	l in wheat. (1151)									
		HRSW Growth Reduction			Weed Control ^c					
					Canada Thistle			Bygr	Grft	Yeft
Treatment ^a	Rate	15-Jul	19-Jul	5-Aug	19-Jul	5-Aug	24-Aug	5-Aug	5-Aug	5-Aug
		%%			% control					
Untreated		0	0	0	0	0	0	0	0	0
GoldSky + WideMatch + NIS + AMS	16 fl oz + 16 fl oz + 0.5% + 4.4%	0	6	5	77	83	81	99	79	95
PerfectMatch ^b + NIS + AMS	16 fl oz + 0.5% + 4.44%	0	0	1	75	85	84	99	78	94
PerfectMatch ^b + MCPe + AMS	16 fl oz + 8.63 fl oz + 4.44%	0	0	3	79	86	85	99	74	94
PerfectMatch ^b + NIS + 28% N	16 fl oz + 0.5% + 64 fl oz	0	0	0	76	88	87	99	85	93
Widematch + Pyroxsulam + NIS + AMS	16 fl oz + 6.84 fl oz + 0.5% + 4.44%	0	0	1	78	91	90	99	77	93
Axial XL + WideMatch	16.4 fl oz + 16 fl oz	0	0	0	76	90	91	75	48	96
Everest 2.0 + 2,4-D Amine	0.75 fl oz + 14.9 fl oz	0	0	0	52	42	41	37	94	67
LSD (0.05)		NS	NS	2	8	7	7	4	19	4
CV		0	0	83	7	5	6	3	16	3
^a All treatments applied to 5- to 5.5-leaf	wheat									
^b PerfectMatch is not registered for use	in 2011									
^c Bygr=Barnyardgrass; Grft=Green foxtail; Yeft=Yellow foxtail										