Tour Stop #5: Kentucky Bluegrass Monostands vs. Blends Jeff Dunne and Trey Rogers, Ph.D. Department of Crop and Soil Sciences Michigan State University

Traditional recommendations for athletic field construction have included the blending of turfgrass cultivars to provide advantages over single-cultivar stands in highly stressed environments. Whether these environments include high trafficked areas, disease pressure, or weed interactions, it has been assumed that turfgrass blends out perform monostands. However, due to recent advancements in breeding technology, single cultivars bred for generalized disease resistance, aggressive tillering, and herbicide resistance may be used in place of a blend, which was previously necessary to provide all of these characteristics. A series of experiments were designed to examine Kentucky bluegrass varieties in blends and monostands under Dollar Spot, Velocity and traffic pressure.

SI = North St

	PR	ot Map: \ mosa n (v	Vest)		
313 T+S1	314 52	×	×	X	X
213 T	214 B	×	X	X	X
113 T+82	114 B+31+32	×	×	×	X
307 B+T+SI	308 51	309 T	316 9+51	311 B+T	312 B+51+
207 T + 81 + 52	208 H+T+Si+ S2	269 Y + 82	210 31	211 T+81	312 B+52
167 51	108 T	107 82	B+52	B+T	1127
301 B+T+Si+ S2	302 B	303 T+51+82	364 T + 52	365 8 + T + 52	306 9 + 52
D+T+32	385 H+51	263 11+51+52	264 B+T+S1	203 B+T	206 92
101 T+31+82	103 31+T+51	B+81	104 T+51	105 H+T+SI+N2	106 B + T + S2
B = Burran T = Morenhine S1 = North Star S2 = Avalances					

	Plot	Map: De	Mest)	£	
313 B+81+82	314 D+T+81+ S2	X	X	×	X
213	214 T+S1+S2	X	X	×	х.
n+T+Si	III4 T	×	X	ж	X
307 T	308 B + 82	309 31+T+82	310 51	311 B+T	312 D+T+S
297 T+N1	208 T	209 38+51+52	250 B+S1	213 51	212 15+T
107 52	108 T + 53	D+31	150 T+61+52	D+52+52	112 81
301 82	302 T+51+52	30\$ 18	364 9 + 53	305 T+52	306 T+ S1
201 B	262 82	200 T+82	264 B + T + 53	368 3+7+51+52	206 B T 5
191 T + S1	102 B + T + S1 + S2	8×T	104 B	85 + 32	166 B+T+S

112	B Blend I	212	224	312	324
Moonshine		Danfiska	Susceptible	KenBlue	TS Blend B
111	123	211	223	311	323
Hantuke	PST-102-45	D Blend B	North Star	B Blend I	TS Hend 1
T10	122	210	222	310	322
North Star	Barrister	Darreri	KenBlue	PST-103-385	North Star
109	121	209	321	309	321
Bar VV0709	PST-103-585	Josep Start	Baryan	B Blend B	Jump Start
308	120	208	220	308	320
Susceptible	Right	Right	Avalanche	B Blend A	PST-102-156
107	119	207	219	367	319
U Blend B	Prosperity	Ber VV0709	PST-102-158	Susceptible	Barrari
166	118	206	218	306	318
Bargen	TS Blend !	Prosperity	Barrister	Moonshine	Barduke
105	117	203	217	305	317
Barimpala	PST-102-138	Midnight	Moonshine	Right	Har VV0709
164	116	204	216	364	316
TS Blend B	Jump Start	PST-103-585	TS Blend B	Avalanche	Midnight
103	115	203	215	303	315
KenHine	Michnight	2) 3) lend 1	B Blend A	Prosperity	Berzen
102	114	262	75 Blend A	302	314
TS Blend A	Avalanche	PST+162-45		Derimpala	Barrister
101	113	201	213	301	313
Barraci	B Blend A	Barimpala	TS Blend I	PST-192-45	TS Blent A

Plot Map: Topdressing

112	124	212	224	342	324
KenBlue	Jump Start	Barren	Right	B Blond A.	North Star
111	123	251	223	,511	323
Prosperity	Barduke	Stariospeda	Prospericy	Ebandiske	Kentitue
110 B Bleed A	122 Moonshine	210 Nords Star	Avalanche	310 Burrister	73 Blend B
109	121	209	221	369	321
TS Blend 1	Barzan	PST-102-45	PST-102-158	Jump Start	D Blend B
108	120	208	220	308	320
Right	Barimpala	PST-103-585	H Bliensf B	TS Blend L	PST-103-583
107	119	207	219	Buzan	319
Bar VV0709	PST-102-158	Barrister	TS Blend A		Avalanche
106	118	206	218	366	318
North Star	Barrari	Midnight	Junep Start	Mesonshine	PST-102-158
105	117	205	217	305	317
Avaianche	Barrister	15 Blend I	Moonshine	Midnight	TS Blend A
104	116	204	236	364	316
Midnight	15 Blend B	D Blend A	33 Efficant 1	Prosperity	Bar VV0709
103	115	263-	215	303	315
Susceptible	PST-103-385	Burnari	Danituke	Burungala	Susceptible
102	114	202	214	302	384
TS Blend A	B Blend B	TS Hiend 9	Bar VV0709	Barrari	PST-102-45
101	113	201	2.13	361	311
PST-102-45	B Blend I	Kenthur	Suscepsible	Stight	B Blend i

Plot Map: Native Soil

focic D4West)

[|] II, Monoslight SLT (25%) | TS | Blend B | Right, Prosperity, Midnight II, Monoslight SLT, Avialanche (25%) | TS | Blend I (BFF) + Prosperity, Midnight, Anchore (25%) | TS | Blend I (BFF) + Prosperity, Midnight, Anchore (25%) | TS | Blend I (BFF) + Branche (25%) | TS | Blend I | Barrin, Barringala, Bar V V 6709 (35%) | TS | Blend I | Barrin, Barringala, Bar V V 6709 (35%) | TS | Blend I | Barrin, Barringala, Bar V V 6709 (35%) | TS | Blend I | Barrin, Barringala, Bar V V 6709 (35%) | TS | Blend I | Barrin, Barringala, Bar V V 6709 (35%) | TS | Blend I | Barrin, Barringala, Bar V V 6709 (35%) | TS | Blend I | Barrin, Barringala, B