

2013 MICHIGAN DRY BEAN TRIALS

Compiled by Gregory V. Varner, Dry Bean Research Director

COUNTY & COOPERATOR: ALCONA-Duane Dellar Farm; BAY-Schindler Farms
 GRATIOT-Hrabal Farms; HURON-Gremel Farms; MONTCALM-Sowerby Farms
 SANILAC-Tom VanSickle Farm; TUSCOLA-Bernia Family Farms

PLANTING DATES											white mold
VARIETY-NAVY	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA	2013 AVE	lodge rating
										6-3 LOC	Huron
HMS MEDALIST	100-105	COOP	2302	2760	1766	2982	2749	2956	2321	2589-2753	2.3-2.5
MERLIN	102-105	COOP	2174	3250	1875	3262	2574	2735	2721	2736-2906	1.9-2.1
HYLAND T9905	99-100	HYLAND	3295	3215	1965	2980	2674	3020	2610	2744-2870	2.1-2.5
INDI	95-97	ADM	2081	2578	1544	2781	2489	2965	2240	2433-2662	2.1-1.6
VIGILANT	96-100	COOP		3104	2149	3070		3038	2509	2872	2.8-1.8
REXETER	102-107	OAC-HDC				3445		2985	2710	3047	2.4-3.0
NAUTICA	100-102	OAC-HDC				3037		3202	2467	2902	1.8-2.1
MIST	101-103	OAC-HDC				2818		2932	2060	2603	1.6-2.6
ADM N8118340	98-102	ADM		2913		2924		3253	2254	2810	2.1-2.0
ADM N8010375	97-102	ADM		2946		2815		3870	2743	3143	3.3-3.1
GTS OB-1723-06	102-105	GTS	2525	3562		2654		3144	2715	2838	3.8-3.5
COOP 99039-3	99-103	COOP				3046		3342	2610	2999	2.9-3.1
COOP 03036	98-105	COOP				3035		2926	2674	2878	3.0-3.1
COOP 06063	98-103	COOP				2812		3319	2863	2998	3.5-2.8
COOP 07073	97-102	COOP				2607		2950	2766	2774	2.8-2.5
COOP 08070	97-104	COOP				3253		2781	2750	2928	2.5-3.3
COOP 08072	96-102	COOP				3053		3060	2663	2925	2.9-2.4
COOP 08077	98-104	COOP				2789		2381	2193	2454	3.4-2.4
COOP 10042	99-104	COOP				2540		2954	2750	2748	3.5-2.4
ADM N8120345	99-102	ADM				2675			2705		2.6-2.0
ADM N8002370	95-101	ADM				2465			2142		2.5-2.0
ADM N8118334	98-102	ADM				2771			2483		2.9-2.6
ADM N8118339	99-103	ADM				2607			2601		2.6-2.1
SEM NAVC6V1200	99-104	SEMINIS				2712			2846		3.8-2.6
SEM NAVC6V1246	97-102	SEMINIS				1964			2648		4.4-2.5
SEM NAVC6V1202	101-104	SEMINIS				2087			2373		2.6-2.1
GTS OB-5551-99	105-108	GTS				2674			2392		2.4-3.5
MSU N11216	100-104	MSU			2424	3301			2886		2.4-2.5
MSU N11258	98-103	MSU			2122	2945			2325		2.4-2.0
MSU N11283	98-103	MSU	2786	3010	2068	2510	2585	2783	2702	2610-2665	3.5-2.0
MSU N11298	98-103	MSU			2011	2819			2813		1.9-2.0
MSU N12442	100-105	MSU			2035	2904			2734		1.8-2.4
VISTA	102-105	GTS				2551			2557		3.1-2.8
			lsd=371	lsd=294	lsd=452	lsd=326	lsd=458	lsd=368	lsd=301		white mold
			cv-9.8%	cv-6.6%	cv-16.8%	cv-8.3%	cv-11.4%	cv-8.6%	cv-8.4%	2013 AVE	lodge rating
BLACK	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA	6-3 LOC	Huron
ZORRO	98-103	MSU	3280	2916	2224	2879	2147	3443	2899	2751-3074	2.3-2.3
SHANIA	99-105	ADM	3368	3047	1785	2635	2554	3657	2777	2743-3023	3.0-2.6
LORETO	97-104	COOP-PRC	3103	2732	1926	2817		3135	3027	2993	2.3-2.5
MSU B10244	96-103	MSU	4006	3286	2560	2299	2386	3548	3045	2854-2964	2.6-2.5
ECLIPSE	94-99	NDSU	3286		2029	2650		3391	2586	2876	2.4-2.0
T-39	96-103	CAL	3350	2730	1797	2505		3401	2483	2796	2.9-3.5
BL 04352	97-100	COOP-PRO				2192		3411	2694	2766	3.8-2.6
BL 06252	97-102	COOP-PRO				2634		3095	2677	2802	2.9-2.8
BL 11352	98-102	COOP-PRO				1979		3181	2440	2533	2.9-2.5
BL 11353	95-100	COOP-PRO				2572		3074	2726	2791	2.9-2.0
BL 11355	96-101	COOP-PRO				2595		3164	2736	2832	2.3-2.9
BL 11356	100-103	COOP-PRO				2036		2964	2611	2537	3.0-2.1
MSU B11343	96-101	MSU				3194		3395	3014	3201	2.3-2.4
MSU B11363	95-101	MSU				3153		3337	2797	3096	2.1-2.1
MSU B12709	95-99	MSU				2287		2726	2685	2566	2.1-1.9
MSU B12720	96-98	MSU				2819			2976		2.8-2.3
MSU B12721	95-98	MSU	3346			2586		3632	2802	3007	2.0-1.9

BLACK continued	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILACTUSCOLA	2013 AVE	W.M.+lodge	
MSU B12724	96-99	MSU				2607		3192	2717	2839	2.3-1.9
ADM B8038279	95-99	ADM				2555			2418		1.9-1.8
ADM B8039279	98-102	ADM				2264			2621		2.3-1.9
ADM B8064307	99-104	ADM				2424			2657		2.6-2.5
ADM B8052293	98-103	ADM				2555			2200		2.3-2.0
ADM B8035303	95-97	ADM		2684					2515		
ADM B8037283	98-100	ADM							2453		
ADM B8039282	96-99	ADM							2560		
SEM BKBC6C1206	96-100	SEMINIS				1952			2406		3.0-2.0
SEM BKBC6V1312	97-101	SEMINIS				2411			2565		3.1-2.5
SEM BKBC6V1313	96-100	SEMINIS				2977			2868		2.3-1.9
GTS-1103	100-104	GTS				3249		3402	2811		2.6-3.0
			lsd=386	lsd=440	lsd=778	lsd=421	lsd=489	lsd=480	lsd=313		
			cv-7.5%	cv-10.6%	cv-25.2%	cv-11.6%	cv-12.0%	cv-10.3%	cv-8.3%		
<u>SMALL RED</u>	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILACTUSCOLA	3 LOC	W.M.+lodge	
MERLOT	98-105	USDAMSU	3230	2923	2206	2444	2089	3152	2530	2709	3.8-3.5
SR 09303	99-104	PROVITA	3440			2813		3390	3297	3167	4.0-2.9
SR 09304	96-104	PROVITA				2570		3144	3091	2935	3.9-3.9
SR 11511	102-107	PROVITA				2717		3248	2973	2979	3.3-3.1
RIO ROJO	90-102	NDSU				3214		2418	1833	2488	2.6-3.5
MSU R12832	94-100	MSU				3082		1920	2658	2553	1.9-2.0
MSU R12859	94-103	MSU				3067		2018	2827	2637	2.1-2.3
						lsd=470		lsd=459	lsd=330		Montcalm
						cv-11.1%		cv-11.2%	cv-8.1%		%white mold
<u>PINTO</u>	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILACTUSCOLA	4 LOC	lodge rating	
ELDORADO		MSU	2998	3617	2711		3774	3750	3463	21-2.4	
LA PAZ	94-99	PROVITA		3231	2291		3102	3488	3028	65-2.8	
LARIAT	96-100	NDSU		3397	2321		2555	2890	2791	68-3.7	
MEDICINE HAT	90-92	SEMINIS	3481	2616	1867		3294	2229	2502	46-2.3	
MSU P12603	94-97	MSU		3172	1954		2430	2721	2569	58-2.1	
Sem-PIN-DJ091012	93-94	SEMINIS			2279		3321			47-2.9	
Sem-PINC6V1314	92-93	SEMINIS			1781		3370			46-2.8	
				lsd=254	lsd=410		lsd=520	lsd=359			
				cv-5.1%	cv-12.7%		cv-11.2%	cv-7.7%			Huron
<u>GREAT NORTHERN</u>	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILACTUSCOLA			
POWDERHORN	94-99	MSU	3180	2583		2704		2057		2.5-2.5	
MSU G12502	97	MSU				2657				1.8-1.8	
MSU G12508	98	MSU				2163				2.6-2.0	
						lsd=438					
						cv-10.1%					Huron
<u>PINK</u>	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILACTUSCOLA			
ROSETTA	93-102	MSU	4011			3047		3361	2600	2.6-2.4	
MSU S12911	93-101	MSU				2486		2349	2626	2.9-3.3	
<u>TEBO</u>	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILACTUSCOLA			
FUJI	100-102	MSU		2140	1051		1481				
MSU G12901	98-100	MSU		3230	2684		2133				
<u>CRANBERRY</u>	DAYS	ORIGIN	ALCONA	BAY	GRATIOT	HURON	MONTCALM	SANILACTUSCOLA			
ETNA	90-92	SEMINIS			1772		2625				
KRIMSON	95-96	BASIN			1606		2422				
MECCANO	92-94	HDC			1435		2404				
CHIANTI vine	96-97	SEMINIS			1899		2400				
BELLAGIO vine	102-103	MSU			1997		2483				
BRB-DJ091031	91-93	SEMINIS			1365		2309				
BRBCV61261	91-92	SEMINIS			1955		2531				
SEM 08570929	88-90	SEMINIS			2020		2678				
MSU C11260	91-93	MSU			1994		2739				
MSU C11266	96-97	MSU			1688		2673				
MSU C11273	96-97	MSU			1526		2751				
					lsd=621		lsd=374				
					cv-24.5%		cv-10.2%				

<u>LIGHT RED KIDNEY</u>	DAYS	ORIGIN	BAY	GRATIOT	MONTCALM
CHINOOK 2000	102-104	MSU		1484	2822
CALIF ELRK	90-93	CAL		1215	2815
PINK PANTHER	92-95	SEMINIS		1293	2568
CLOUSEAU	93-96	SEMINIS		1553	2443
INFERNO	103-106	OAC-HDC		1526	2908
MSU K11714	102-104	MSU		1672	2841
GTS-IG-INF	103-106	GTS		1371	3185
LRK 09351	93	PROVITA			2545
LRK 09354	104	PROVITA			2484
LRK 09357	93	PROVITA			2530
LRK 09360	104	PROVITA			2683
LRK 09378	94	PROVITA			2909

Isd=322 Isd=491
cv-15.37% cv-12.5%

<u>DARK RED KIDNEY</u>	DAYS	ORIGIN	GRATIOT	MONTCALM
RED HAWK	99-102	MSU	1034	2606
MONTCALM	102-104	MSU	705	2278
RED ROVER	98-99	SEMINIS	1174	2329
MAJESTY	102-104	OAC-HDC	1306	2435
DYNASTY	104-106	OAC-HDC	679	3096
KDD-DJ091013	100-102	SEMINIS	946	2365
KDD-DJ1030	99-102	SEMINIS	929	2371
KDDC6V1249	97-100	SEMINIS	857	1981
KDDC6V1257	98-100	SEMINIS	1129	2419
MSU K11306	97-99	MSU	1226	2049
MSU K11320	96-98	MSU	992	2072
MSU K12225	96-98	MSU	1049	2133
GTS 104	103-105	GTS	840	2616
DRK 09423	106	PROVITA		2703
DRK 09424	103	PROVITA		2173
DRK 09429	101	PROVITA		2753
DRK 09430	100	PROVITA		2760
DRK 09431	103	PROVITA		2601

Isd=437 Isd=299
cv-30.8% cv-8.7%

<u>ALUBIA-W. KID.</u>	DAYS	ORIGIN	BAY	GRATIOT	MONTCALM
BELUGA	102-105	MSU	1547	1436	2660
SNOWDON	94-95	MSU	933	1437	2254
YETI	102-105	OAC-HDC		1649	2726
GTS 401	102-104	GTS		1928	2675
MSU K11914	96-98	MSU	1128	1890	2577
MSU K11916	96-99	MSU	888	1837	2284

Isd=348 Isd=434 Isd=334
cv-19.4% cv-17.0% cv-8.8%

<u>ADZUKI</u>	DAYS	ORIGIN	BAY	GRATIOT	MONTCALM
ERIMO	104	JAPAN		1495	

ORIGIN KEY
MSU=MICHIGAN STATE UNIVERSITY
GTS=GEN-TEC SEEDS LIMITED
SEMINIS=SEMINIS SEEDS=MONSANTO
ADM==ARCHER DANIELS MIDLAND=SEEDWEST
HYLAND=HYLAND SEEDS, LIMITED
COOP=COOPERATIVE ELEVATOR-PROVITA
CAL=UNIVERSITY OF CALIFORNIA-DAVIS
USDA=UNITED STATES DEPT. OF AGRIC.ARS
NDSU=NORTH DAKOTA STATE UNIVERSITY
OAC-HDC UNIVERSITYofGUELPH-HENSALL DISTRICT COOP
PROVITA=PROVITA SEEDS
BASIN==BASIN SEED COMPANY
JAPAN==PURITY FOODS INC.

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Maturity days = planting until harvest in 2013
Direct -Cut Lodging Ratings = 1-erect, 5-laying flat on ground.
White Mold Rating = 1-10% mold, 5-100% mold.

Alcona, Bay, Huron, Sanilac and Tuscola were direct harvested.
Gratiot and Montcalm navies, blacks, pintos and sm. reds were direct harvested and large colored beans were hand pulled and harvested.