



## 2014 MICHIGAN DRY BEAN TRIALS

Compiled by Gregory V. Varner, Dry Bean Research Director

COUNTY & COOPERATOR:      Alcona:    *Duane Dellar Farm*                      Bay:        *Schindler Farms*                      Huron:    D&D Farms  
    Gratiot:    *Hoard Farms*                              Montcalm: *Andy Porter Farms*  
    Sanilac:    *Wadsworth Farms*                      Tuscola:    *Zimmer Farms*

PLANTING DATES:    June 4    June 13    June 9    June 6    June 14    June 5    June 5

<u>NAVY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
HMS MEDALIST	100-108	COOP	2091	3408	3336	1494	1997	3028	2541	2556-2618	3-2.3
MERLIN	100-110	COOP	2312	3473	3509	1612	2051	2024	2892	2553-2500	3-2.5
HYLAND T9905	98-105	HYLAND	2211	3404	3390	919	1808	2031	2554	2331-2227	3.6-3.0
INDI	95-105	ADM	2600	3211	2944	1315	1897	1361	2731	2294-2155	2.5-1.3
Alpena	99-105	MSU	2285	3208	2531	1139	1398	2291	2097	2136-2184	3.1-2.3
GTS OB-1723-03	100-110	GTS	2390	3431	3100	1112	1684	2057	2545	2331-2286	3.1-3.0
GTS OB-4048-03	97-107	GTS	1910	3197	3047	895	1679	2696	1770	2271-2140	3.9-3
VIGILANT	97-105	COOP/ADM	2655	3419	3634	1373		1987	2400	2295	4-2.0
REXETER	102-110	OAC-HDC				1291		1592	2799		3.5-2.5
NAUTICA	100-105	OAC-HDC				1428		2302	2653		3-2.5
MIST	100-106	OAC-HDC				2023		2433	3526		1.9-2.5
FATHOM	97-102	OAC-HDC				584		1385	1652		4.3-2.0
COOP 99039-3	99-105	COOP		3576		1263		1543	2657	2260	3.3-3.0
COOP 03036	99-106	COOP		3379		1388		2313	2462	2386	3.6-2.8
COOP 06063	98-106	COOP		3935		1482		1721	2495	2408	3.3-2.5
COOP 07073	97-105	COOP		3200		715		1664	2130	1927	4.3-3.3
COOP 08070	99-107	COOP		3576		2099		2373	3749	2949	3.3-3
COOP 08072	97-105	COOP		2997		1628		2631	2650	2477	3-2.5
COOP 12039	99-105	COOP		3813		1991		2506	2726	2759	3-3.0
COOP 12041	100-108	COOP		3405		1929		3080	3745	3040	2.4-2.0
COOP 12047	100-107	COOP		3226		1933		1931	3557	2662	2.4-2.3
COOP 12051	97-105	COOP		3302		996		2221	2424	2236	4.1-2.5
COOP 12059	100-108	COOP		3694		1121		2023	2963	2450	3.1-2.5
ADM N8118340	99-106	ADM		3413		1402		2504	2527	2462	3.1-1.8
ADM N8120345	100-107	ADM		3443		1284		1840	2443	2253	3.3-2.0
ADM N5023584	99-107	ADM		2748		1596		2083	3336	2441	2-1.8
ADM N8118321	98-105	ADM				1303			2713		2.8-1.5
ADM N8118339	99-105	ADM				1474			2627		3.1-2.0
ADM N9007081	100-105	ADM				1345			2747		2.4-1.0
ADM N9029100	98-104	ADM				1362			2618		2.9-2.3
SEM NAVC6V1200	99-106	SEMINIS				1071		3160	2338		2.9-2.3
MSU N12440	99-105	MSU		3027	3329	555			2022		4-2.8
MSU N13140	99-107	MSU		3496	3391	2146			2978		2-2.3
MSU N11238	96-104	MSU		3075	2446	919			2142		3.9-2.0

lsd=629    lsd=440    lsd=601    lsd=518    lsd=688    lsd=1267    lsd=606  
 cv-18.6%    cv-9.3%    cv-13.2%    cv-27.2%    cv-25.9%    cv-41.3%    cv-16.3%

<u>BLACK</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
ZORRO	99-110	MSU	2100	3701	3173	1205	1968	2682	2103	2419-2423	3.1-2.0
SHANIA	102-110	ADM	2205	3725	3358	1261	1925	3393	2155	2575-2634	3.3-2.8
LORETO	98-110	COOP-PRO	2032	3259	2766	1379		3574	2459	2668	3.5-2.5
ZENITH B10244	97-108	MSU	2374	3484	3530	1344	1585	3461	2372	2593-2665	3.3-1.8
GTS COB-83-03	99-109	GTS	1404	2917	2896	1361	2297	2933	1673	2212	3.5-2.8
GTS COB-698-03	96-104	GTS	1719	2544	2883	600	1386	2323	1576	1962	4-3.3
ECLIPSE	95-104	NDSU	1983			802		2186	2275		3.1-1.5
BL 04352	97-104	PROVITA		3240		807		2912	1945	2226	3.9-2.3
BL 06252	98-106	PROVITA		2727		819		2305	1825	1919	3.8-2.5
BL 11353	96-102	PROVITA		2787		1015		2743	1805	2088	3.6-2.0
BL 11355	97-104	PROVITA		3284		1491		2601	1921	2324	3.4-3.0
BL 12576	98-104	PROVITA		3435		1089		3226	2393	2536	4-2.5
BL 12577	97-103	PROVITA		3062		1401		2879	1976	2330	3.8-1.8
BL 12579	98-104	PROVITA		2986		1217		2871	1950	2256	3.4-2.3
BL 12581	99-105	PROVITA		3268		1134		2413	2002	2204	3.5-2.8
BL 13489	97-103	PROVITA		3373		831		2607	2048	2215	4.4-2.8
BL 13505	97-103	PROVITA		3373		939		1979	1974	2066	4-2.3
BL 13506	99-106	PROVITA		3137		801		2626	2070	2159	3.3-1.8
MSU B12710	97-102	MSU	2864	3538		1083		2839	2548	2502	2.8-1.8
MSU B12720	97-103	MSU	2423	3258		1012		3753	2041	2516	3.8-2.0
MSU B12724	98-103	MSU	2123	3483		935		2627	2077	2281	3.5-2.0
ADM B8039279	99-105	ADM		2683		854		2105	1995	1909	3.5-1.3
ADM B8006282	98-104	ADM				1164			1994		3.4-2.0
ADM B8052293	99-106	ADM				1544			2413		2.9-1.8
ADM B8090330	99-105	ADM				1552			2837		2.8-1.8
SEM BKBC6V1312	98-105	SEMINIS				861		1788	2480		3.9-2.3
ND071206	99-104	NDSU				946		3225	2351		3.8-2.0
NDF090303	100-106	NDSU				1796		2429	2454		2.4-2.0
T-39	96-103	CAL		3010		1273			1966		3.9-3.0
			lsd=754	lsd=603	lsd=895	lsd=453	lsd=770	lsd=1012	lsd=469		
			cv-25.3%	cv-13.4%	cv-19.2%	cv-28.8%	cv-27.3%	cv-26.2%	cv-15.7%		

<u>SMALL RED</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
MERLOT	100-106	USDAMSU	3059	2664	3224	1267	1334	1821	2107	2211-1965	3.4-2.8
SR 09303	99-103	PROVITA		3873		1494		2554	2181	2526	4-3.0
RUBY SR 09304	98-103	PROVITA		3036		1495		2045	1801	2094	4.4-3.8
SR 11511	101-108	PROVITA				1885		2601	2434		2.9-3.0
RIO ROJO	90-99	NDSU	3364			2587		3392	2636		2-2.5
MSU R12844	95-100	MSU				1835		2385	2830		2.4-2.0
MSU R12859	94-99	MSU	3127	2463	2765	1392	1330	1572	2890	2220-2079	3.4-1.8
MSU R13526	95-100	MSU				1648		2109	2882		3-2.3
MSU R13538	96-100	MSU				1114		2047	1589		3.9-3.3
			lsd=470	lsd=378		lsd=471		lsd=700	lsd=604		
			cv-11.1%	cv-7.9%		cv-19.7%		cv-21.0%	cv-17.5%		

<u>PINTO</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
ELDORADO	103-108	MSU		3272	4242		3315	3339		3542	2.3-2.5
LA PAZ	96-101	PROVITA		3581	3772		1485	2428		2817	4.3-3.0
LARIAT	97-103	NDSU		3071	4231		2290	2645		3059	4.6-3.5
MEDICINE HAT	90-92	SEMINIS		2030	3367		2111	2159		2417	3.1-2.0
MSU P12603	99-104	MSU		2726	2951		1709	2367		2438	3.8-2.8
MSU P11519	99-106	MSU		3000	3630		2287	2587		2876	3.5-2.3
Sem-PIN-DJ091012	94-95	SEMINIS		2705	3232						N/A
				lsd=704	lsd=866		lsd=438	lsd=459			
				cv-16.3%	cv-16.0%		cv-13.2%	cv-11.8%			

<u>GREAT NORTHERN</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
POWDERHORN	93-94	MSU	2862	2880		1962	1433	2411			3.8-2.0
MSU G11438	93-94	MSU		2795		1790		2338			3-2.0
MSU G13424	93-94	MSU		2798		696		1870			3.5-2.0
MSU G13467	95-99	MSU		3220		1688		2731			3.5-2.0
				lsd=901		lsd=641		lsd=971			
				cv-26.1%		cv-26.1%		cv-26.0%			

<u>PINK</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
ROSETTA	96-103	MSU		2160		2217		2849	2684		2.6-2.5
MSU S12911	94-101	MSU				2116		2553	2774		2.5-2.3
PK 11544	93-100	PROVITA				1989		1822	2423		2.9-3.0
						lsd=908		lsd=798	lsd=373		
						cv-24.9%		cv-19.2%	cv-8.2%		

<u>TEBO</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
FUJI	103-105	MSU		1274	2441		844				
MSU G12901	101-109	MSU	2828	1877	2158		1179				
GTS OB-543-09	104-105	GTS		1395	2476		1216				
				lsd=901	lsd=1007		lsd=689				
				cv-26.1%	cv-24.7%		cv-36.9%				

<u>CRANBERRY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
ETNA	89-91	SEMINIS			1767		2446				
KRIMSON	92-94	BASIN			1877		1969				
CHIANTI vine	100-106	SEMINIS			1872		2262				
BELLAGIO vine	102-108	MSU			1518		2124				
BRB-DJ091031	90-91	SEMINIS			1687		2187				
BRBCV61261	92-95	SEMINIS			1738		2680				
SEM 08570929	89-91	SEMINIS			1726		2967				
MSU C11266	91-94	MSU			1870		2318				
MSU C11269	91-93	MSU			1602		2411				
					lsd=692		lsd=362				
					cv-27.3%		cv-10.4%				

<u>LIGHT RED KIDNEY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
CALIF ELRK	91-93	CAL			2285		2448				
PINK PANTHER	93-96	SEMINIS			2104		2171				
CLOUSEAU	94-96	SEMINIS			2479		3186				
INFERNO	108-110	OAC-HDC			4054		2081				
MSU K11709	92-94	MSU			2235		2215				
MSU K13602	92-95	MSU			2735		1474				
GTS-IG-INF	108-110	GTS			4157		1781				
LRK 09351	93	PROVITA					2494				
LRK 09354	102	PROVITA					1793				
LRK 09360	100	PROVITA					2357				
LRK 09383	92	PROVITA					2143				
LRK 09378	93	PROVITA					2340				
ND 061106	95-105	NDSU			2880		1623				
					lsd=905		lsd=541				
					cv-21.5%		cv-17.5%				

<u>DARK RED KIDNEY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
RED HAWK	95-102	MSU			2499		2419				
MONTCALM	102-105	MSU			2407		1919				
RED ROVER	93-94	SEMINIS			2632		2295				
DYNASTY	98-104	OAC-HDC			3104		2328				
KDD-DJ091013	92-95	SEMINIS			1941		1964				
KDD-DJ091030	93-94	SEMINIS			2219		2177				
MSU K11306	95-103	MSU			2752		2413				
GTS 104	105-106	GTS			2644		2153				
ND061210	95-103	NDSU			2669		2287				
DRK 09423	104	PROVITA					1474				
DRK 09424	106	PROVITA					1822				
DRK 09429	106	PROVITA					2111				
DRK 09430	106	PROVITA					1971				
DRK 09431	104	PROVITA					1577				
					lsd=740		lsd=407				
					cv=20.0%		cv=13.8%				

<u>ALUBIA-W. KID.</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
BELUGA	103-105	MSU		1800	2240		1900				
SNOWDON	89-92	MSU		1505	2058		2969				
YETI	110-112	OAC-HDC			2615		1723				
MSU K11914	93-94	MSU		2250	1943		2379				
MSU K11916	93-94	MSU		1452	1853		2460				
MSU K13902	94-95	MSU		1847	2253		2983				
				lsd=625	lsd=895		lsd=761				
				cv=22.9%	cv=27.5%		cv=21.0%				

<u>ADZUKI</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALCONA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>2014 AVE</u> <u>7-4 LOC</u>	<u>White</u> <u>Mold 1st</u> <u>Lodge 2nd</u>
ERIMO	106	JAPAN			1588						

**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.

**NOTES**

Maturity days = planting until harvest in 2014  
Direct Cut Lodging Ratings = 1-erect, 5-laying flat on ground.  
White Mold Rating = 1-10% mold, 5-100% mold.  
White Mold Rating from Tuscola, Huron, Montcalm and Alcona Co.  
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.

**Contact Information:**

Michigan Dry Bean Production Research Advisory Board  
Greg Varner, Research Director  
8439 North Blair Road  
Breckenridge, Michigan 48615  
Ph: 989-751-8415  
e-mail: varnerbean@hotmail.com

