

2009 MICHIGAN DRY BEAN TRIALS

COUNTY & COOPERATOR: BAY-Wegener Bros Farm

GRATIOT-Hrabal Farms; HURON-D&D Farms; MONTCALM-Thorlund Bros Farm

SANILAC-JGDM McConnachie Farms; TUSCOLA-Mark Bauer Farm

PLANTING DATES

VARIETY-NAVY	DAYS	ORIGIN	JUNE 4	JUNE 13	JUNE 16	JUNE 15	JUNE 5	JUNE 15	2009 AVE	lodge rating	
			BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA	3-6 LOC	direct-cut	White
VISTA	100-105	GTS	2094	2296	2786	3295	3013	2942	2914-2738	2--2.5	2
RELIANT	99-103	GTS	2241	2248	2944	3235	3080	3162	3062-2818	2--2.5	2
HYLAND T 9905	101-105	HYLAND	1973	2004	2801	3245	2993	2761	2852-2630	2--2.5	2.5
MEDALIST	101-105	COOP	2491	2364	2803	3152	3035	2892	2910-2790	1.5--2.5	2.5
AVALANCHE	97-99	NDSU	1976	1560	2541	2918	2613	2797	2650-2401	2--2	
N08007	99-104	MSU	2344	1797	2414	3032	2134	2680	2409-2400	2--1.5	
N05019	100-103	MSU		1894	2374	2887	2602			1.5--	
GTS 544	101-105	GTS	2386	2028	2565			2792		1.5--2.5	3
GTS ob5551-99	101-103	GTS	2392	2254	3077			2793	<u>3 LOC</u>	2.5--3.5	
HYLAND HY 4181	99-103	HYLAND		1862	2345		2393	2202	2313	2.5--2.5	
HYLAND T 10303	102-105	HYLAND			2967		2427	2617	2670	2--3	
HYLAND T 10307	101-104	HYLAND			2642		2504	2431	2526	1.5--2	
ADM 5027557	98-99	ADM	1840		2706			2652		1--1	
ADM 5039540	99-100	ADM	1848		2713			2562		1--1.5	
ADM 5058573	98-99	ADM	1952		2616			2710		2--2.5	
ADM 5058576	100-102	ADM	2174		2606			2465		1.5--1.5	
ADM 5059541	99-101	ADM	1830		2190			2920		1.5--1.5	
ADM 5060539	100-102	ADM	1973		2385			2848		2--3	
COOP 03019	99-101	COOP			2658		2509	3025	2731	2.5--2	2
COOP 03015	99-101	COOP			2659		2237	2750	2549	2.5--3	
COOP 02084	98-100	COOP			2906		2074	2945	2642	1--1.5	2
COOP 02098	101-104	COOP			2604		2635	2188	2476	1.5--1.5	3
COOP 99039-3	100-101	COOP			2558		2812	2787	2719	2--2.5	2
COOP 03036	100-101	COOP			2835		2634	2896	2788	1.5--2	
COOP 05059	99-100	COOP			2223		2068	2322	2204	1.5--2	
COOP 05062	100-102	COOP			2411		2189	2760	2453	2--2.5	
COOP 06063	101-102	COOP			2775		2658	3044	2826	1.5--2.5	
SEAHAWK	101-102	MSU		2223	2816					3.5--	2
OAC 05-1	90-92	OAC			1945			1732		3--3	
OAC 07-2	102-104	OAC			2823			2971		2.5--2	
OAC 07-3	102-104	OAC			2468			3100		2.5--1	
NAVY-CONT.	DAYS	ORIGIN	BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA	2009 AVE	direct-cut	

HR 177-3719	101-103	AAFC			2614			2688		2.5--2.5	
HR 193-3931	102-104	AAFC			2620			2701		2.5--1	
			LSD=436	LSD=334	LSD=259	LSD=426	LSD=421	LSD=335			
<u>BLACK</u>			CV=14.6%	CV=11.3%	CV=7.1%	CV=9.3%	CV=10.1	CV=8.8%	3-5 LOC		2.5
ZORRO	98-104	MSU	2141	2715	2625	2955	2591	2916	2711-2598	1.5--2	1.5
JAGUAR	97-103	MSU	2275	2289	2427		2228	2844	2500-2413	1--1.5	2
CONDOR	98-104	MSU	2187	2426	2558		2303	2748	2536-2444	2--2.5	3
T-39	97-103	CAL	2071	2475	2758		2730	2677	2722-2542	3.5--4	3
SHANIA	100-106	ADM	2316		2723			2859		2.5-2.5	3
BLACK VELVET	100-106	SEMINIS		2402	2753			2769	3 LOC	2.5--3	2
LORETO	99-104	COOP			2635		2765	3161	2854	2.5--3	3
MIDNIGHT	100-106	NYC		2253			2751	2779		-2.5	2.5
DOMINO	99-105	MSU		2492			2587	2814		-3	1.5
ECLIPSE	95-97	NDSU		2160	2791		2378	2943	2704	1.5--1.5	
ADM B5019630	97-102	ADM	1772		2469			2623		2--2	3
BL 05222	98-103	COOP			2777		2448	2977	2734	3--3	2.5
BL 05228	98-104	COOP-PRO			2705		2664	2988	2786	2.5--3	2
BL 06252	99-104	COOP-PRO			2750		2769	2982	2534	2.5--2.5	3
BL 04349	101-107	COOP-PRO			2576		2306	2827	2570	3--3	2
BL 04352	97-102	COOP-PRO			2715		3022	3198	2978	2--2	
BL 05227	100-105	COOP-PRO			2706		2933	2816	2818	2.5--2.5	
BL 05225	97-102	COOP-PRO			2525		2694	2675	2631	2.5--2.5	
BL 07244	98-103	COOP-PRO			2347		2412	2683	2481	2--2	
BL 06253	97-102	COOP-PRO			2501		2295	2622	2473	2--2	
COB 214-99	100-103	GTS	2325			2967				2.5--2.5	
COB 223-99	99-100	GTS	2095			2939				2--2.5	
COB 2159-00	100-106	GTS	2129			3206				2.5-3	
			LSD=394	LSD=326	LSD=282	LSD=618	LSD=551	LSD=398			
			CV=12.8%	CV=9.8%	CV=7.5%	CV=13.4%	CV=12.9%	CV=9.9%			
<u>SMALL RED</u>	DAYS	ORIGIN	BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA	3 LOC	6 LOC	
MERLOT	95-100	USDA/MSU	2070	2204	2676	3204	2120	2698	2675	2495	
MERLOT SELECT	95-100	USDA/MSU	1972	2192	2544	2816	2135	2404	2475	2344	
SR 06233	90-93	PROVITA			1916		1767	2335	2006		
SR 07261		PROVITA			2121		1499	1952	1857		
R08512		MSU			2769		2494	2848	2704		
R08515		MSU			2865		2350	2599	2605		
			LSD=947	LSD=1049	LSD=142	LSD=752	LSD=356	LSD=292			
			CV=20.8%	CV=21.1%	CV=3.8%	CV=11.1%	CV=9.5%	CV=7.9%			
<u>PINTO</u>	DAYS	ORIGIN	BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA	4 LOC		
OTHELLO	85-88	USDA		2650		2916	1841	3150	2639		

SANTA FE	94-96	MSU	2736	2785	2310	2805	2659
LA PAZ	95-98	PROVITA	2812		2968		
P07406	94-96	MSU	2235		2119	2942	
P07863	98-99	MSU	3268		2562	3399	
P08339	94-96	MSU	2696		2526	2775	
STAMPEDE	93-95	NDSU	2604		2563		
LARIAT	94-95	NDSU	3150		2485		
NDSU 307	92-93	NDSU	3026		2608		

LSD=348 LSD=464 LSD=364 LSD=179
CV=8.5% CV=7.2% CV=8.6% CV=3.9%

GREAT NORTHERN

MATTERHORN	91-93	MSU	2696		2001	2768	
G07302	93-95	MSU	2462		1888	3103	
G07309	93-95	MSU	2498		1823	2600	
GN 0815	92-93	SEMINIS			2026	2778	

LSD=401 LSD=350 LSD=244
CV=9.1% CV=12.1% CV=5.4%

TEBO

TEBO	96-99	JAPAN	2802	3099	2004		
FUJI	93-97	MSU	2458	3026	2066		
G06209	95-96	MSU	2662	2778	2301		
G06211	95-96	MSU	2991	3096	1842		

LSD=375 LSD=611 LSD=340
CV=9.6% CV=12.7% CV=8.3%

PINK

SEDONA	94-97	MSU	2432	2626	2970	2194	2696
S08410	92-94	MSU		3027		2337	3177
S08418	96-99	MSU		3008		2764	2841

LSD=316 LSD=350 LSD=287
CV=7.0% CV=7.6% CV=6.3%

<u>CRANBERRY</u>	DAYS	ORIGIN	BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA
SVM TAYLOR	90-92	ASI	1649			2341		
CAPRI	95-96	MSU	1609	1900		2264		
ETNA	92-93	SEMINIS	1642			2256		
CHIANTI vine	97-102	SEMINIS	1466			2023		
ADM C213259	93-94	ADM	1417			2105		
C06808 vine	97-99	MSU	1637			2126		
C08714	97	MSU	1583			2303		
<u>CRANBERRY-cont</u>	DAYS	ORIGIN	BAY	GRATIOT	HURON	MONTCALM	SANILAC	TUSCOLA
C08726	97	MSU	1806			2086		

LSD=528 LSD=473

<u>LIGHT RED KIDNEY</u>			CV=22.9%		CV=15.2%
CHINOOK 2000	101-104	MSU	1549		2580
CALIF ELRK	92	CAL	1475		1902
PINK PANTHER	94-96	SEMINIS	1585		2048
CLOUSEAU	94-95	SEMINIS	1564		2048
ADM L9451381	93-96	ADM	1724		1929
GTS cob 268-03	98-104	GTS	1763		2265
OAC 07-L1	101-104	OAC	2056		2227
K06619	101-102	MSU	1628		2471
			LSD=349		LSD=603
			CV=14.2%		CV=18.8%
<u>DARK RED KIDNEY</u>					
RED HAWK	97-98	MSU	1344		2326
MONTCALM	101-102	MSU	1235		2235
RED ROVER	96-97	SEMINIS	1443		2008
ADM D107271	96-97	ADM	1658		2325
GTS 104	97-98	GTS	1557		2364
GTS cob 472-03	96-97	GTS	1483		2329
OAC 07-6D1	95-102	OAC	1763		2792
K06012	94-95	MSU	1252		2200
K08224	94-96	MSU	1418		2207
			LSD=236		LSD=537
			CV=11.1%		CV=16.0%
<u>ALUBIA-W. KID.</u>	DAYS	ORIGIN	BAY	GRATIOT HURON	MONTCALM SANILAC TUSCOLA
BELUGA	99-101	MSU	1574		2301
K07921	95-97	MSU	1570		2511
K08961	93-95	MSU	1458		2266
			LSD=364		LSD=441
<u>YELLOW EYE&MISC.</u>			CV=13.7%		CV=10.8%
GTS 1701yellow eye	94-98	GEN	1746		2055
RED COAT soldier	97-98	MSU	1165		2384
APALOOSA	96-97	landrace	1572		2446
<u>ADZUKI</u>					
ERIMO	100-103	JAPAN		1231	
<u>YELLOW</u>					
Y-0863	99-103	SEMINIS	1915	2740	3217

ORIGIN KEY

MSU=MICHIGAN STATE UNIVERSITY

GTS=GEN-TEC SEEDS LIMITED
SEMINIS-SEMINIS SEEDS
ADM==ARCHER DANIELS MIDLAND
SYN=SYNGENTA SEEDS
HYLAND=HYLAND SEEDS, LIMITED
COOP=COOPERATIVE ELEVATOR-PROVITA
CAL=UNIVERSITY OF CALIFORNIA-DAVIS
NYC=CORNELL UNIVERSITY-NEW YORK
USDA=UNITED STATES DEPT. OF AGRIC.ARS
UI=UNIVERSITY OF IDAHO
NDSU=NORTH DAKOTA STATE UNIVERSITY
OAC===UNIVERSITYofGUELPH
PROVITA=PROVITA SEEDS
AAFC==AAFC GPCRC HARROW

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Direct -Cut Lodging Ratings = 1-erect, 5-laying flat on ground.
White Mold Rating = 1-10% mold, 5-100% mold.