

AMSS Genetic Expansion Top Cow PPR List - December 2019

Rnk	Name	Registration	Sire	Rec	PPR	%R	Milk	%F	Fat	%P	Prot	Eval	FS	PTAT	State	Owner
1	GI GOLD MINE JEZEBEL 011	000000068307789	000000138122625	5	262	74	1426	.03	58	.08	60	G	92	0.5	IA	NUS, NATHAN & JODY
2	GI KRAUSES MANNIA COLLIMA	000000068317014	000000070000003	2	259	39	1519	.18	93	.05	57		88	0.1	TX	KRAUSE DAIRY LLC
3	GI GOLD MINE R JINGLE 369	000000068322602	000000108490894	1	254	39	1530	.12	81	.06	59		86	0.0	IA	NUS, NATHAN & JODY
4	GE KRAUSES RON BRENDA 492	000000068320611	000000073163934	2	250	36	1392	.13	78	.07	58		83	0.0	TX	KRAUSE DAIRY LLC
5	GI LORREDA RELIEF-P JOSY P	000000068321121	000000072531544	1	242	39	1477	.05	64	.01	48		86	0.7	MS	BOND, THOMAS
6	GI KRAUSES RON THERESA 488	000000068320609	000000073163934	2	232	36	1710	.13	90	.01	55			0.1*	TX	KRAUSE DAIRY LLC
7	GI GOLD MINE R JANUARY 363	000000068322599	000000074024766	1	222	38	1502	.02	60	.01	49		86	0.2	IA	NUS, NATHAN & JODY
	GE DAN SAL PAX ZANY	000000068314552	000000066591080	2	222	42	1438	.02	57	.03	50		86	-0.1*	MO	MARTIN, J ELVIN & MARY
9	GI GOLD MINE SN LORNA 330	000000068320164	000000072353499	1	221	32	1180	.11	66	.03	42		84	0.1	IA	NUS, NATHAN & JODY
10	GI ROSE-ARK MARLO CINDY D9930	000000059663763	000000070000004	1	219	38	561	.33	84	.11	39			-0.1*	AR	STRAIN, SAMUEL T.
11	GI LORREDA PETERSLUND SHERRY	000000068305183	000000360012016	5	208	50	674	.24	71	.15	50		81	-0.6	MO	ROTH, ERNST
12	GI LORREDA REDWOOD P SHY P	000000068317079	000000070000003	3	206	41	1236	.12	70	.08	55			-0.3*	TX	OVERSTREET DAIRY LLC
13	GI ROSE-ARK AVON STARR D9910	000000058883691	000000070000004	1	204	40	925	.11	56	.07	43			-0.3*	AR	STRAIN, RICK D
	GE DAN SAL ALL GONE HENRIETTA	000000068320603	000000073251225	1	204	38	1134	.17	76	.04	43		85	0.5	MS	BOND, THOMAS
	GE KRAUSES RON DELIA 496	000000068320711	000000073163934	1	204	35	1439	.06	65	.02	48		82	0.0	TX	KRAUSE DAIRY LLC
16	GI KRAUSES RON CHOCKY 491	000000068320610	000000073163934	1	203	33	1331	.16	82	.03	48			-0.7*	TX	KRAUSE DAIRY LLC
	GE KRAUSES ELVIS CHARLENE 420	000000068321438	000000071319133	3	203	44	1614	-.02	56	-.02	46		86	-0.2	TX	KRAUSE DAIRY LLC
18	GE MIKES-DAR TITAN HEATHER	000000068321442	000000068308179	3	194	32	1309	.02	53	.06	52		85	-0.3	IL	MIKES-DAR FAMILY FARM
	GI ECUAFARM BRAUT BERNARDA	000000072862618	000000000010177	4	194	41	1001	.12	61	.07	45		84	0.0	OH	MORELAND, DAN
20	GE ROSECREST REALITY DREAM	000000068320302	000000134690997	3	188	42	959	.13	61	.04	37		91	0.7	WA	MCCOOL, GARY W. &/OR SHARON L.
21	GE ROSECREST LADD PANSEY	000000068320283	000000069405976	2	184	42	502	.21	59	.09	33		86	0.0	WA	MCCOOL, GARY W. &/OR SHARON L.
22	GE GOLD MINE G REDBST DESI 205	000000068314776	000000106030980	3	183	44	1003	-.02	34	.03	37		90	0.4	IA	NUS, NATHAN & JODY
23	GE ROSE-ARK REGNCY BECCA D9911	000000058883692	000000070000004	1	181	41	705	.17	59	.12	45			-0.1*	AR	STRAIN, SAMUEL T.
	GI LANDS-BROOK CHARM	840003003521457	000000071277714	1	181	37	1105	.07	54	.03	40		82	-0.3*	IA	LANDS-BROOK FARMS
	GE GOLD MINE R GENESIS 010	000000068307788	000000138122625	5	181	46	825	.12	55	.05	36		91	0.8	IA	NUS, NATHAN & JODY
26	GE ROSECREST REALITY DARBY	000000068320985	000000134690997	1	180	40	1015	.12	62	.04	40			-0.1*	WA	MCCOOL, GARY W. &/OR SHARON L.
27	GE LAN-SING HILLS BOY BREE P	000000068302813	000000133080890	4	179	50	989	.03	43	.02	35			0.1*	IA	LANSING, NEIL & JULIE
28	GI STORYTOWN RT REBA ROYAL	000000068316701	000000360012428	3	177	43	886	.24	80	.07	41		85	0.0	WI	SOLBERG, WILLIAM
29	GI ROSE-ARK REGNCY CRYST D9920	000000059663725	000000070000004	1	175	40	572	.20	59	.13	42			0.1*	AR	STRAIN, SAMUEL T.
	GE KUNDES GOLDEN BJ SHARON	000000068320024	000000A00017188	2	175	40	622	.23	67	.12	42		78	-0.8	WA	BENSON, SAMANTHA
31	GE BLUEROCK THLUCKYRHYTHM TW P	000000068323023	000000074228150	1	168	33	725	.06	39	.03	28			0.1*	WV	GRANTHAM. AMON & BRYN
32	GE BLUEROCK THLUCKYRHYME TW P	000000068323021	000000074228150	1	163	33	792	.04	37	.01	27			0.1*	WV	GRANTHAM. AMON & BRYN
	GI GMC RUBENS LEAF	000000068320042	000000068313029	1	163	31	1258	.01	48	-.02	35		85	0.1	NH	CLARK, BROOKE MORGAN OF
	GE GOLD MINE S TANTRA 100 TWIN	000000068311984	000000139232802	5	163	44	722	.09	45	-.01	21		90	0.4	IA	NUS, NATHAN & JODY
35	GE TIGER LILY FIONA 2	840003013414546	000000070000003	4	162	34	917	.10	53	.01	30		87	0.6	OK	VAN DER LAAN, LIZA
	GE DAN SAL ALL GONE LISIS	000000068320604	000000073251225	1	162	40	1144	.09	60	.00	36		86	0.6	MS	BOND, THOMAS
37	GE ROSECREST REALITY LACEY	000000068320298	000000134690997	3	161	44	830	.15	61	.04	34		88	0.6	WA	MCCOOL, GARY W. &/OR SHARON L.
38	GE WILBURY SATCHEL PEGGY	000000068312087	000000064653045	4	158	45	1070	.00	39	.03	39			-0.3*	UT	HANSEN, APRIL
39	GI LORREDA ROYAL T SANTANA	000000068316503	000000360012428	3	157	45	544	.20	59	.13	42		82	0.1	TX	OVERSTREET DAIRY LLC
	GE GOLD MINE EB AR KOSMA 300	000000068319459	000000068571374	2	157	42	368	.18	48	.11	32		88	0.5	IA	NUS, NATHAN & JODY
41	GE AT WATERS EDGE AARN JUNE TW	000000068321619	000000065919402	2	156	42	1092	.06	53	.03	39		81	0.1	MN	KORN, MARSHALL & MELANIE
	GE LORREDA BON JOVI DROMUNA	000000068317687	000000A00017188	2	156	37	571	.21	61	.11	39		78	-0.6	MO	MILLER, JOHN
43	GE ROSECREST LADD PANSEY 4TH	000000068320278	000000069405976	2	154	42	573	.11	42	.05	28		87	-0.1	WA	MCCOOL, GARY W. &/OR SHARON
44	GE ROSECREST REALITY HONEY	000000068320299	000000134690997	3	152	46	759	.15	57	.04	31		82	-0.2	WA	MCCOOL, GARY W. &/OR SHARON L.
	GE GOLD MINE S INKA 056	000000068308610	000000138122625	5	152	46	358	.07	27	.08	26		90	0.5	IA	NUS, NATHAN & JODY
	GE ROSE-ARK LOU DELIGHT D9913	000000059663705	000000070000004	1	152	39	408	.18	49	.07	26			-0.1*	AR	STRAIN, RICK D
47	GI LORREDA BADGER SILVIA	000000068315752	000000068307829	3	151	42	514	.18	54	.11	38		81	0.0	AR	YANKE, ASHLEY
48	GE AT WATERS EDGE CROWN SABLE	000000068321617	000000071181706	1	150	38	788	.03	35	.03	31			-0.1*	MN	KORN, MARSHALL & MELANIE
	GE ROSECREST REALITY FAWN	000000068320967	000000134690997	2	150	43	742	.15	56	.03	29			-0.1*	WA	MCCOOL, GARY W. &/OR SHARON L.
50	GE ROSECREST ALANDO HONEY	000000068317126	00000006225670	4	148	47	715	.04	34	.03	28		88	0.3	WA	MCCOOL, GARY W. &/OR SHARON L.
51	GE2 KRAUSES BJ ROSE 554	840003141573996	000000A00017188	1	147	37	742	.18	63	.09	40		81	-0.7	TX	KRAUSE DAIRY LLC
52	GI ROSE-ARK MARLO ERIKA D9906	000000058883678	000000070000004	1	146	37	288	.24	56	.08	24			0.2*	AR	STRAIN, SAMUEL T.
	GE KRAUSES POWERPLAY TATUM 445	000000068325078	000000068311540	2	146	36	1029	.02	41	.02	35			0.3*	TX	KRAUSE DAIRY LLC
54	GE AT WATERS EDGE CROWN SHAWNY	000000068321620	000000071181706	1	140	39	733	.03	33	.02	27			-0.2*	MN	KORN, MARSHALL & MELANIE
55	GE ROSECREST REALITY DREAMER	000000068320964	000000134690997	2	138	41	507	.20	57	.04	24			0.2*	WA	MCCOOL, GARY W. &/OR SHARON L.
56	GE ROSE-ARK BONJOVI OLA A9789	000000058883361	000000A00017188	1	137	38	316	.19	49	.10	29			-0.3*	AR	STRAIN, RICK D
	GE GOLD MINE G SHAG DEMI 150	000000068312725	000000103512991	4	137	41	737	.02	32	.02	26		90	0.5	IA	NUS, NATHAN & JODY
58	GE ROSE-ARK BOBDOWN MIRA D9893	000000058883642	000000070000008	1	136	29	640	.11	46	.06	32			-0.2*	AR	STRAIN, RICK D
59	GI KRAUSES HANK ROSIE 466	000000068320708	000000070962651	2	133	32	935	.04	43	.02	33		90	0.3	TX	KRAUSE DAIRY LLC
60	GE INNISFAIL SD LADY 250	000000068312321	000000138122625	4	131	42	365	.05	23	.05	20		90	0.4	CA	ROWE, JOHN STUART
	GE R-FAITH HAL BROOKLYN	000000068323710	000000068311309	2	131	36	467	.18	52	.06	27			-0.1*	PA	HOLSOPPLE, ABBY
62	GE KRAUSES PAPPARRAZZI SONIA518	000000068320671	00000000467737	1	130	34	880	.05	42	.00	32		85	-0.2	TX	KRAUSE DAIRY LLC
	GI2 GOLD MINE R JUPITER 215	000000068317513	000000068306871	3	130	47	504	.13	43	.05	26		84	-0.1	IA	NUS, NATHAN & JODY
	GI ROSE-ARK LOU JESS D9909	000000058883690	000000070000004	1	130	37	580	.12	44	.05	27			0.0*	AR	STRAIN, RICK D
65	GE PINE-RICH SARGES TRIBUTE	000000068315685	000000070000003	1	126	27	962	.02	39	-.01	28			-0.1*	IN	ITCHIE, DAVID & SCOTT &
66	GI LAN-SING HILLS PATS SERGE	000000068317109	000000068308471	1	125	37	939	-.05	25	.00	29			0.1*	IA	LANSING, NEIL & JULIE

67	GE	GOLD MINE SN LUTHER 068 P	000000068309642	000000068306380	5	124	38	470	.09	34	.04	23	90	0.5	IA NUS, NATHAN & JODY
68	GE	SCHOEN BLAZER 2351	000000074297361	000000070000009	3	123	42	692	.07	40	.02	25	88	-0.3	MO MORRISON, MELINDA
69	GE2	GOLD MINE EB AD KIRBY 186	000000068314763	000000068306871	4	122	44	774	.09	47	.02	28	85	0.2	IA NUS, NATHAN & JODY
70	GE	STORYTOWN SILVER DEVA	000000068313713	000000071483452	2	121	28	915	-.01	32	.01	31	85	-0.3	WI SOLBERG, WILLIAM
71	GI	LAN-SING HILLS HB HARMONY	000000068314902	000000068309136	3	119	39	641	.01	25	.01	21	0.3*	IA SPARGROVE, JOHN & PEGGY	
	GE	KRAUSES PW PLAY DAZZLER 312	000000068320667	000000068311540	3	119	40	930	.03	40	.01	30	89	0.5	TX KRAUSE DAIRY LLC
	GE	WILDHOLM ADAMS GARDEN GOLD	000000072401871	000000070506221	2	119	34	1174	-.01	41	-.02	32	90	0.6	WI FLEMING, ELIZABETH AND MONNAT,
74	GOLD MINE S LONOX STARDUST 776		000000360012483	000000002208576	5	116	46	808	.07	43	-.04	17	90	0.3	IA NUS, NATHAN & JODY
	GE	RAGSDALE 1321	000000070711042	000000070000003	3	116	24	725	.03	33	.05	32	0.1*	OK RAGSDALE, CADEN	
76	GE	ROSE-ARK BJVOI APRIL A9792	000000058883368	0000000A00017188	1	113	33	471	.15	46	.07	29	-0.2*	AR STRAIN, RICK D	
	GE	KMZ BON JOVI CATIE	840003134157992	0000000A00017188	1	113	32	361	.14	41	.07	24	0.3*	WI ZIMDARS, KYLE & MARIAH	
78	GI	FROZEN HILL ROYAL T CORI	000000068316774	000000360012428	2	111	37	720	.07	41	.03	29	85	0.3	IA MEDLANG, JONATHAN & ELIZABETH
79	GE	WILD SPRINGS ACME BUCKEYE	000000072401866	000000070000003	3	109	44	695	.07	40	.04	29	88	0.0	NY MONNAT, EMILY, JASON AND
80	GR	ECUAFARM ADVENTURE SATIN 75	000000068317043	000000068306871	3	105	43	643	.11	45	.03	25	86	-0.1	TX KRAUSE DAIRY LLC
	GE	KRAUSES PACESETTER BLAZE474	000000068321100	000000000368707	2	105	40	612	.07	37	.03	25	85	-0.1	TX KRAUSE DAIRY LLC
82	GE	BLUEROCK TH BARBWARE RIP	000000068322352	000000009748330	1	101	38	699	.06	37	.02	25	87	0.1	WV GRANTHAM. AMON & BRYN
	GI2	VALLEY VIEW OHIO 2126	000000073139285	000000068307222	3	101	43	718	.05	36	-.01	20	0.4*	AR CRAWLEYS VALLEY VIEW FARMS	
	GI	KRAUSES STAR TEMPTATION 512	000000068320665	000000068316391	1	101	33	863	.03	37	.01	29	80	-0.3	TX KRAUSE DAIRY LLC
85	GE2	SWM TEDS JENNY	000000068315621	000000000450289	5	100	47	446	.05	27	.01	15	-0.2*	SD MAAS, WILLARD R.	
	GE	SUN VALLEY BLT NIGHVRALYN P	000000068320181	000000061898426	2	100	45	845	-.01	30	-.01	25	-0.1*	CO MCBRIDE, BRIANNA	
	GI	GOLD MINE NF HALSTON Y16	000000068319088	000000068307830	2	100	33	224	.10	27	.04	15	85	0.4	IA NUS, NATHAN & JODY
88	GE	ROSE-ARK BOBDOWN AMBY D9880	000000058883608	000000070000008	1	99	29	229	.12	31	.08	23	-0.3*	AR STRAIN, SAMUEL T.	
89	GI2	LORREDA POKER SARA	000000068313067	000000000466748	4	98	46	563	.01	22	.04	26	83	-0.4	MO ROTH, ERNST
	GE	GOLD MINE G RAIN DACEY 312	000000068319296	000000068317061	2	98	33	435	.00	17	.02	17	85	0.7	IA NUS, NATHAN & JODY
91	GI	GOLD MINE RBLADE JUNCO 947	000000068304664	000000370012809	5	97	41	383	-.02	10	.03	18	84	0.3	IA NUS, NATHAN & JODY
92	GE	GLEN-MAR BUTANE JUBOOTY	000000068303627	000000137787566	5	96	42	584	.03	28	.02	22	88	0.3	VT HAYWARD, GLEN
	GI	KRAUSES CDY MAYBELLLINE553 P	840003141573995	000000068312482	1	96	38	387	.15	44	.03	17	-0.2*	TX KRAUSE DAIRY LLC	
94	GI	HELIO BLAINE BELLA	000000068322782	840003012719334	1	95	33	886	.07	46	-.02	23	0.2*	MN GOBLISH, ADAM & MIRINDA	
95	GE2	FAWNWOOD TREBLE ADDISON	840003128584711	000000360012428	3	94	49	518	.05	28	.05	25	-0.1*	MD MASON, P. THOMAS	
96	GE	MANDERFELD BADGER MAGNUM	000000068322980	000000068307829	1	93	39	-109	.26	45	.11	18	84	0.3*	MN MANDERFELD, AMELIA MARIE
97	GE	ROSE-ARK RFIRE FLARE D9898	000000058883654	000000000459374	1	92	35	352	.12	37	.06	22	0.1*	AR STRAIN, RICK D	
98	GI2	ECUAFARM KAISER SOLEDAD	000000070572113	000000000462555	5	91	44	716	-.04	18	.00	23	0.2*	TX ALMEIDA, FABIAN	
	GR	KRAUSES ST CLAIR DESTINY517	000000068320669	000000011751400	1	91	32	581	.07	35	.02	22	81	-0.2	TX KRAUSE DAIRY LLC
	GE	SWM PATRIOTS BRENDA	000000068321662	000000068308471	3	91	45	433	.00	16	.02	17	0.1*	SD MAAS, WILLARD R.	
101	GE	VALLEY VIEW JAN 2288	000000074135099	000000000466355	3	89	39	784	-.01	27	-.03	18	82	0.0	AR CRAWLEYS VALLEY VIEW FARMS
102	GE	BLUEROCK TH RED DELICIOUS	000000068319165	000000139358472	2	86	42	342	.15	41	.08	25	84	0.0	WV GRANTHAM. AMON & BRYN
103	GR	ECUAFARM ADVENTURE NOTSYS 74	000000068317044	000000068306871	3	85	41	243	.16	40	.04	16	83	-0.5	TX KRAUSE DAIRY LLC
	GE	GOLD MINE G GUNMETAL 082	000000068311976	000000068306380	5	85	42	110	.04	12	.04	11	85	0.0	IA NUS, NATHAN & JODY
	GE	REDIEN ACRES FANCY	000000068318762	000000011682145	2	85	35	-24	.17	32	.07	12	83	-0.4	OH NEIDER, JOHN & ELIZABETH
	GI	KRAUSES STAR LUU LUU 436	000000068320706	000000068316391	3	85	39	205	.11	28	.04	14	85	0.0	TX KRAUSE DAIRY LLC
	GE	LAZY M GREEK BRYLEE	840003135718413	000000068315023	1	85	33	436	.01	18	.00	14	0.7*	WI MAIER, MICHAEL & LAURA	
108	GE	ECUAFARM PADDY KATINA	000000069912278	000000000466410	5	84	44	50	.16	32	.04	10	0.2*	TX KRAUSE DAIRY LLC	
	GI2	GOLD MINE R JANINE 326 P	000000068320125	000000009993327	2	84	40	7	.18	34	.08	15	83	0.1	IA NUS, NATHAN & JODY
	GI2	KRAUSES TWAIN NANA 555	840003141573997	000000068316851	1	84	38	575	.02	25	.03	24	0.1*	TX KRAUSE DAIRY LLC	
	GI2	ARJU PLC BOBDOWN ALYSUM	000000068322583	0000000A00016427	1	84	31	231	.13	34	.06	18	68	-0.5	WI HARDIE-QUALL, CLAUDIA A.
112	GE	ELM-ROC BADGER STARBURST	000000073763298	000000068307829	2	83	41	243	.04	16	.04	16	88	0.4	WI LUCHTERHAND, ADAM & KRISTINA
113	GI2	GOLD MINE EMC HADLEY 359 P	000000068322598	000000000467909	1	82	36	542	-.05	10	.02	20	85	0.4	IA NUS, NATHAN & JODY
	GE	KUNDES GOLDEN ADVENTR JAZZ	000000068322402	000000068306871	2	82	38	315	.18	46	.05	19	83	0.1	WA KUNDE, RANDY W.
115	GE	VALLEY VIEW CARLYNN 2387	000000068319509	000000011682145	2	81	40	117	.13	29	.08	18	0.2*	AR CRAWLEYS VALLEY VIEW FARMS	
	GE	ROSE-ARK BADGER DOT A9781	000000058883336	000000068307829	2	81	38	-153	.23	38	.09	13	0.3*	AR STRAIN, RICK D	
117	GE	VALLEY VIEW ALYSSA 1994	000000071819129	000000068304674	3	80	42	797	.00	30	-.04	17	90	0.6	AR CRAWLEYS VALLEY VIEW FARMS
118	GE	ROSECREST TI HAZEL	000000068320288	000000370010826	1	78	36	86	.18	37	.07	16	79	-0.8	WA MCCOOL, GARY W. &/OR SHARON L.
119	GE	KRAUSES PWRPLY SYDNEY 345	000000068322822	000000068311540	2	77	34	475	.02	22	.00	15	90	0.5	TX KRAUSE DAIRY LLC
	GE	KRAUSES GLADITR THERESA 539	840003141573981	000000068318735	1	77	32	583	.07	36	.01	20	84	0.2	TX KRAUSE DAIRY LLC
121	GI2	ROSE-ARK FROLIC TAZ A9730	000000058880214	000000000449081	2	74	40	-205	.18	26	.09	10	78	-0.8	AR STRAIN, RICK D
	GE	GOLD MINE SF PHOENIX 381	000000068322606	000000068306380	1	74	31	143	.11	26	.01	7	77	-0.1*	IA NUS, NATHAN & JODY
123	GI	ECUAFARM ZACH MS SANDY	000000070572065	000000068301524	4	73	32	285	.02	15	.03	14	90	0.1	TX KRAUSE DAIRY LLC
124	GE	MANDERFELD BADGER LJ	000000068322977	000000068307829	1	72	41	467	-.03	12	.03	20	78	0.5*	MN MANDERFELD FARMS
125	GE	ROSECREST LIRIANO AMY	000000068320290	000000360012770	3	71	44	208	.11	28	.03	13	88	0.6	WA MCCOOL, GARY W. &/OR SHARON L.
126	GI	KRAUSES GLADITR SWEETIE 546	840003141573988	000000068318735	1	68	32	306	.07	25	.02	14	85	0.1	TX KRAUSE DAIRY LLC
127	GE	CORSTAR CYCLONE JIVE TWIN	000000071065487	000000068304732	5	67	39	-138	.21	35	.07	9	0.1*	MN KLINDWORTH, JACOB	
128	GI2	KRAUSES TWAIN LUU LUU 547	840003141573989	000000068316851	1	66	35	177	.06	18	.03	12	84	0.0	TX KRAUSE DAIRY LLC
	GE	VALLEY VIEW SPOT 2296	000000074135107	000000068311969	2	66	41	267	.07	23	.03	14	0.4*	AR CRAWLEYS VALLEY VIEW FARMS	
	GE	FOSS PETE 719	000000068316892	000000068308950	3	66	29	517	.08	34	-.02	12	90	0.4	MN FOSS FARMS
131	GE	VALLEY VIEW CASSIA 2047	000000072280182	000000068307829	4	65	41	62	.14	29	.06	13	82	0.3	AR CRAWLEYS VALLEY VIEW FARMS
132	GE	GOLD MINE S LEIF 236	000000068317518	000000068312346	2	64	34	11	.17	33	.06	12	84	-0.3	IA NUS, NATHAN & JODY
133	GE	ROSECREST RT ROSEMARY	000000068310856	000000360012428	3	63	49	253	.10	28	.05	18	-0.1*	WA MCCOOL, GARY W. &/OR SHARON L.	
134	GE	GOLD MINE R MINT JULEP 349	000000068321065	000000068317062	1	62	31	110	.14	30	.03	10	82	-0.2	IA NUS, NATHAN & JODY
135	GE2	ROSE-ARK SNOOPY MAX A9648	000000058880044	000000068303119	1	61	31	357	.05	22	.02	14	85	0.3	AR STRAIN, RICK D

	GI2 PINNACLE ZUMBA RAIN 53	840003011475551	000000068303833	1	61	35	450	.07	30	-.03	8	90	0.2*	MI MOYER, BRENT & BRENT ROBINSON
	GE DAN SAL LINEMAN SHAYLYN	000000068316164	000000068309588	3	61	35	393	.01	17	.01	14	87	0.5	MO VOSKAMP, ROPER & REAGAN
	GE GREEN ACRES AVENGER TIARA	000000072401867	000000100273427	3	61	39	-53	.09	15	.04	5	83	0.2*	RI PREISINGER, MIRIAM KATHERINE
	GI LANDS-BROOK CHERRY	000000056652089	000000068306739	4	61	31	427	.08	32	-.03	8	86	0.1	IA LANDS-BROOK FARMS
140	GI KRAUSES GLADIATOR RIZZO 560	000000068322432	000000068318735	1	60	34	230	.12	31	.02	11	85	0.1	TX KRAUSE DAIRY LLC
141	GE2 GOLD MINE S INGA 376	000000068322604	000000000465370	1	59	31	-285	.13	13	.07	4	78	0.5*	IA NUS, NATHAN & JODY
142	GE KUSZMAR PEARL HARBOR 435	840003131745192	000000000464007	1	58	39	85	.12	25	.02	7	86	0.2	NY KUSZLYK, MARJORIE A OR JOHN P
	GE WOODSEY-DELL AWESOME RACER	000000068323070	000000072186769	1	58	40	201	.06	18	.05	15		-0.2*	PA BROOKS, DOUGLAS D.
144	GE DAN SAL LUCYS HERA	000000068308879	000000000454117	5	57	35	-212	.15	20	.06	5	84	0.3	MO BURD, JOHN OF DAN SAL FARMS
	GE HALPINS LIRIANO PATTY	840003135952462	000000360012770	3	57	47	571	-.06	9	-.04	10		0.5*	IL HALPIN, OWEN OF HALPIN FARM
	GE ROSE-ARK COWBOY SUNNY D9885	000000058883621	000000360012418	1	57	39	-94	.13	20	.07	11		-0.3*	AR STRAIN, WILLIAM D.
147	GE KRAUSES TWAIN MS SWISS 515	000000068320670	000000068316851	1	55	31	394	-.03	8	.02	16	81	-0.1	TX KRAUSE DAIRY LLC
	GE PINE VILLA FWD REDD	000000067106818	000000067035199	3	55	31	496	-.03	12	.00	15		0.2*	PA THOMAS, MATTHEW RICHARD
	GE PO-COP PRESTO DENADA	840003127986487	000000068307590	3	55	41	771	-.11	7	-.03	17	86	0.3	IL POLLARD, BRENT AND CARRIE
150	GI KOLASKE FARMS JOKER ADELA	000000068318315	000000100614824	3	54	31	128	.13	29	.03	9	91	-0.1	IL GREGORY, DARRIN
	GI2 GOLD MINE R JENNA 372	000000068322603	000000000452864	1	54	37	-204	.05	2	.06	4	87	1.0	IA NUS, NATHAN & JODY
	GE ROSECREST PIMP ROBIN	000000068320794	000000A00018225	2	54	31	112	.14	31	.06	14	82	-0.3	WA MCCOOL, GARY W. &/OR SHARON L.
153	GR KRAUSES GOLDEN SMITTEN 453	000000068320707	000000068303696	2	53	43	600	-.04	15	.00	18	84	-0.8	TX KRAUSE DAIRY LLC
	GE FAWNWOOD PATRIOT RUDY	840003145732301	000000068308471	1	53	43	297	.01	13	.01	11		-0.1*	MD MASON, P. THOMAS
155	GI2 WIL-LOU CRUISE GLADYS 3RD	000000068322340	000000058525568	1	51	29	106	.05	14	.04	10	85	0.3	OK MARAK, STEVE, ROBBIE, TRAVIS
	GI W-PINE GROVE BOLR NACHO 887	840003142078454	000000068309957	1	51	30	399	.00	15	-.01	11		0.2*	WI WINCH, RANDY, WESLEY, MATTHEW
	GI2 SF JEFFRO KOURT MASH	000000068311170	000000000454143	3	51	48	131	.03	11	.00	5		0.0*	IN SAMUELSON FARMS
158	GE3 DAN SAL STANLEY LAHOMA	000000068317070	000000068311827	2	50	40	181	.00	6	.05	16	86	0.5	MO HICKS, LARRY
159	GI GOLD MINE NF HOLDEN Y12 P	000000068319085	000000068307830	4	49	37	368	-.03	8	-.01	10	91	1.2	IA NUS, NATHAN & JODY
	GE LANDS-BROOK CARMEL TWIN	000000056652038	000000360012770	5	49	48	142	.09	23	-.02	0	88	0.4	IL MIKES-DAR FAMILY FARM
161	GE MOLEHILL LAD ZENDAYA	000000068322388	000000068310520	2	48	39	-43	.02	2	.02	3	85	0.5	KY HORN, KENDALL
162	GE ROSECREST AD GALAXY P	000000068312171	000000068306871	4	47	39	251	.18	43	.03	14	83	-0.5	WA MCCOOL, GARY W. &/OR SHARON L.
163	GE GO-FISHIN GOLD 1322	000000070711043	000000068308192	3	45	33	247	.01	11	.00	8		-0.3*	OK HANNA, JOHNNY
	GE LAN-SING HILLS PRESTO X-MAX	000000068319349	000000068307590	1	45	45	603	-.10	3	-.03	12		0.5*	IA ROCHLEAU, MEGAN
165	GE REDIEN ACRES MUFFIN	000000068318764	000000068308822	2	42	36	-19	.02	3	.03	5	90	0.4	OH NEIDER, JOHN & ELIZABETH
	GI2 ECUAFARM PADDY MEDUSA	000000070572236	000000000466410	5	42	46	137	.06	17	.01	6		-0.1*	TX KRAUSE DAIRY LLC
	GE FOSS FREDERICK 707	000000068316889	000000068302824	4	42	34	226	-.03	2	.01	9	87	0.0	MN FOSS FARMS
	GE KRAUSES RUDY MAYBERRY 322	000000068320712	000000068300144	3	42	34	665	-.06	12	-.02	17	87	0.1	TX KRAUSE DAIRY LLC
	GI DAN SAL RR ZEUS JUANITA	000000068312388	000000069827487	3	42	41	-321	.13	13	.09	6	86	0.5	IA THOMAS, TODD E.
	GE KRONK AFTER APRICOT TW	000000068322966	000000000463018	1	42	42	281	.01	12	.02	13		-0.2*	IN KRONK, DEANNA & JUNIOR
171	GI2 GOLD MINE R CB JING 258	000000068317522	000000068310021	3	41	33	-80	.03	2	.03	3	84	0.1	IA NUS, NATHAN & JODY
	GI LEMMERS ACE FALONS FAYE	000000068315247	000000370012479	4	41	44	-288	.26	37	.06	2	78	-0.7	IN LEMLER, ANDY & CONNIE
173	GI2 HIGH HOPE PLAYBOY CHLOE	000000068311571	000000068302215	5	39	39	-26	.02	2	.03	5	83	0.2	IA MEDLANG, CHRIS
	GI HONEY CREEK MOOVILLE	000000068318684	000000068309777	2	39	30	627	-.08	7	-.06	7	87	0.5	OH WITHERS, HOWARD M. OF HONEY
	GE SUNSETT BADGER BLANCO	840003012571599	000000068307829	2	39	38	-409	.16	15	.08	2		0.2*	WI HUGHES, STEPHANIE & ALAN
	GR KRAUSES TWAIN IVY 508	000000068320661	000000068316851	1	39	30	290	-.01	9	.02	12	87	0.2	TX KRAUSE DAIRY LLC
177	GI ROSE-ARK TASER TINEY A9620	000000053699992	000000068302107	1	38	37	-215	.13	17	.05	2	82	0.0	AR STRAIN, RICK D
	GE GIN-VAL LAD LOLA	000000068318628	000000068310520	3	38	38	-65	.02	1	-.01	-3	90	0.4	NH CLARK, JOHNATHON A.
	GE HENKESEEN ABN RUMOR HAS IT	000000068320601	000000068309795	2	38	38	515	.03	24	-.03	10	88	0.0	IA HENKES, TRENT
	GE RUSTIC-REDS BADGER BARONESS	000000068321573	000000068307829	1	38	37	40	.09	19	.04	8		0.3*	PA HENNING, AUTUMN & JOHNSON,
	GI2 ECUAFARM PADDY ARLENE	000000070572077	000000000466410	5	38	41	-17	.09	16	.01	1		0.3*	TX KRAUSE DAIRY LLC
182	GE GO-FISHIN 1137 1382	000000068311103	000000070711058	3	36	35	247	.00	10	-.01	5		-0.1*	OK HANNA, JOHNNY
	GI2 RICHMOND NIA NEARA	000000073685352	000000A00017358	3	36	38	-271	.17	21	.07	4	86	-0.1	NY RICHMOND, MASON
184	GE GINGER-EFFECT HUCK LAURA	000000068314619	000000068300435	4	35	41	206	-.01	6	-.04	-2	90	0.6	NH CLARK, JOHNATHON A.
	GI2 M-K KEIL C T TRIX	000000068320321	000000000460550	2	35	33	-21	.15	27	.05	8	85	-0.4	KS M-K KEIL CATTLE CO.
	GI CLAYTONS LADY	000000068314834	000000370008306	4	35	41	110	-.02	1	.03	9		-0.5	SD MAAS, JAMES E.
187	GE KUNDES GOLDEN JEAL BARLEY	000000068319098	000000068314751	1	34	37	117	.08	19	.04	11		0.1*	WA BENSON, SAMANTHA
	GE DAN SAL LINEMAN CHAOS	000000068317069	000000068309588	2	34	38	-193	.10	12	.03	-1	79	-0.4	MO VOSKAMP, ROPER & REAGAN
189	GE ROSECREST BLAINE HONEY	000000068321002	840003012719334	1	32	38	87	.04	10	.01	5		0.4*	WA MCCOOL, GARY W. &/OR SHARON L.
	GE ROSECREST O STAR	000000068312184	000000000465713	4	32	36	278	.03	16	.00	9		-0.2	WA MCCOOL, GARY W. &/OR SHARON L.
	GI2 GOLD MINE R JAMAICA 268	000000068317526	000000009993327	2	32	41	-147	.09	12	.06	7		-0.1*	WI PLANCE, ADAM
	GE KUSZMAR FL LINDA-89	000000068319342	000000068311868	2	32	35	121	-.07	-9	.00	3		0.5*	PA THOMAS, MATTHEW RICHARD
	GE MANDERFELD BADGER MARIN	000000068322322	000000068307829	1	32	40	-352	.24	31	.07	2	78	0.4*	MN MANDERFELD, BERNARD
194	GE JET LEGACY FOSS BLACKY 758	000000068320191	000000068313629	2	30	25	215	.00	8	-.01	5	84	-0.5	MN FOSS FARMS
	GI2 ROSE-ARK RFIRE SPREE D9907	000000058883680	000000000459374	1	30	36	-77	.14	23	.06	9		-0.2*	AR STRAIN, RICK D
196	GE KUNDES GOLDEN JUPTR JAZZEY	000000068318958	000000068306872	3	29	32	-54	.16	29	.01	0	90	0.4	WA KUNDE, RANDY W.
	GE ECUAFARM LIRIANO RIHANNA	000000068316235	000000360012770	4	29	47	125	.02	8	-.02	0	90	0.4	TX TERRY, TRAVIS
198	GE SEVEN C LIRIANO LUCKY	000000068316342	000000360012770	3	28	40	196	.00	7	-.01	4	86	0.5	MN VINKEMEIER, COLLIN
199	GE INNISFAIL-WO LIPSTICK TW	000000068319076	000000360012770	1	27	49	152	-.07	-7	-.01	3		0.6*	WI ROWE, JOHN STUART & KATIE BUE
	GE ELM-ROC STANLEY EXPLOSIVE	840003137843425	000000068311827	1	27	40	-255	.12	13	.06	4		0.4*	WI LUCHTERHAND, ADAM & KRISTINA
201	GE FOSS COWBOY FAWN 764	000000068320194	000000360012418	2	26	35	2	.05	9	.02	4	82	-0.3	MN FOSS FARMS
	GE GMC DEMAND A DEAL	000000068322389	000000360006347	1	26	35	105	-.05	-5	.00	3		0.3*	NH CLARK, LINDSEY
203	GE COLD SPRINGS DL DRAGON FLY	840003013046386	000000068310520	2	25	34	-328	.02	-8	.04	-2	82	0.5	NH GOULD, COURTNEY OF COLD SPRING
	GE INNISFAIL HK LADY 306	000000068313443	000000068300435	3	25	35	25	.00	0	-.01	-2	90	0.6	MN WILLIAMS, FREDERICK

	GE KRONK AFTER APPLE TW	000000068322965	000000000463018	1	25	42	89	.02	7	.03	9	-0.2*	IN KRONK, DEANNA & JUNIOR	
	GI PINE VILLA ACE PRINCES	000000067130047	000000370012479	1	25	35	-160	.14	20	.04	2	-0.1*	PA THOMAS, MATTHEW RICHARD	
	GE STRELOWS CODY INDYANNA P	000000068321732	000000068312482	1	25	35	140	.01	8	-.02	0	-0.2*	MN WELGRAVEN DAIRY, LLC	
	GE MANDERFELD BADGER NOLA	000000068319520	000000068307829	2	25	43	-1	.04	7	.05	9	0.1	MN MANDERFELD, BERNARD	
209	GE KRONK KOURT PAM	840003011997088	000000000454143	2	24	40	-259	.09	7	.03	-2	0.1*	IN KRONK, DEANNA & JUNIOR	
	GI KRAUSES CODY M JERSIE 516 P	000000068320679	000000068312482	1	24	32	-148	.14	20	.05	4	80	-0.5	TX KRAUSE DAIRY LLC
211	GE W-PINE GROVE 765 MAPLE	840003128475266	000000068312482	2	22	37	318	.00	12	-.01	7	-0.3*	WI WINCH'S PINE GROVE FARMS	
212	GI LAN-SING HILLS LRNO NESLIE	000000068319655	000000360012770	2	21	43	543	-.08	4	-.06	6	0.3*	IA LANSING, NEIL & JULIE	
213	GE ROSECREST ZEUS 49 LADY	000000068320300	000000069827487	3	19	44	-24	.00	-1	.01	1	84	0.0	WA MCCOOL, GARY W. &/OR SHARON L.
214	GI2 DAN SAL DIAMOND JEAN TW	000000068319684	000000000456414	1	16	41	-259	.04	-2	.05	2	83	0.3	MO JENSON, JEFF
215	GI GOLD MINE R JAYNA 368 TW	000000068322601	000000068307590	1	15	38	101	-.09	-14	-.01	1	0.5*	IA NUS, NATHAN & JODY	
	GE KRAUSES GLADIATOR TORA 533	840003141573975	000000068318735	1	15	36	-39	.00	-1	.01	0	83	-0.2	TX KRAUSE DAIRY LLC
217	GI2 GOLD MINE FOX HOLLIS 305 P	000000068319295	000000068317063	2	13	29	288	-.09	-6	-.03	3	85	0.5	IA NUS, NATHAN & JODY
218	GE KRAUSES GLADIATOR BABS 557	000000068322429	000000068318735	1	12	34	263	.02	13	-.04	1	0.3*	TX KRAUSE DAIRY LLC	
	GE KRONK KOURT DARCY	840003011997097	000000000454143	3	12	40	-339	.10	6	.03	-5	0.1*	IN KRONK, DEANNA & JUNIOR	
220	GE INNISFAIL-WO LIPGLOSS TW	000000068319075	000000360012770	3	10	45	91	-.14	-23	-.01	0	85	0.7	WI ROWE, JOHN STUART & KATIE BUE
	GE2 DAN SAL HAL BROOK	000000068319001	000000068311309	1	10	40	-317	.16	18	.06	1	-0.1*	MS BOND, THOMAS	
222	GE ROSECREST PRESTO ROSEMARY	000000068318250	000000068307590	2	8	46	-99	.02	1	.02	1	0.3*	WA MCCOOL, GARY W. &/OR SHARON L.	
223	GE LAZY M ZUES KATE	840003135718003	000000068300593	2	7	41	-1	-.03	-5	-.02	-3	0.3*	WI MAIER, MICHAEL AND HERMAN	
224	GI GOLD MINE RAIN HIBISCUS 339	000000068320129	000000068317061	1	6	26	47	-.03	-4	-.02	-2	84	0.6	WI PLACE, ADAM
225	GI SANDY RIVER LOUISE	000000068312888	000000068303919	3	5	35	-152	.10	13	.01	-2	-0.1*	ME YORK, L. HERBERT & BRENDA	
	GI2 M-K KEIL A.A. ADAIR	000000068318389	000000068317202	3	5	28	281	-.08	-4	-.01	6	83	-0.2	KS M-K KEIL CATTLE CO.
	GE KRAUSES GLADTR MISS LADY551	840003141573993	000000068318735	1	5	35	15	.03	6	.02	4	79	-0.5	TX KRAUSE DAIRY LLC
228	GE LEMMLERS STANLEY FANCYS REBA	000000068321648	000000068311827	1	4	39	-275	.14	16	.03	-3	86	0.4	IN LEMMLER, ANDY & CONNIE
	GE HONEY CREEK RED JUVI MADI	000000068317980	000000068309777	2	4	32	-121	-.02	-8	-.03	-9	86	0.4	OH WITHERS, HOWARD M. OF HONEY
	GE KUSZMAR MUDDY HILLSIDE	000000068317719	000000000464007	3	4	40	-18	-.04	-8	-.02	-5	84	0.1	NY KUSZLYK, MARJORIE A OR JOHN P
231	GI SANDY RIVER MILADY	000000068312889	000000068303919	4	3	35	-23	.00	-1	-.01	-3	-0.1*	ME YORK, L. HERBERT & BRENDA	
232	GE GMC-W-V RUBEN SKYZONE	000000068322692	000000360010935	1	2	42	-57	-.01	-4	.01	0	0.5*	ON WHERRY, DOUG & GREG & MARCIA	
233	GE CHERRYWOOD BURGUNDY	840003011530411	000000360012770	4	0	50	4	-.04	-7	-.01	-2	0.9*	MN BEKIUS, KEN	
234	GE WINCHS PINE GROVE FARMS 720	840003128475217	000000000461776	2	-1	38	277	-.04	3	-.03	2	-0.1*	WI WINCH'S PINE GROVE FARMS	
235	GE2 LEMMLERS PREMIUM JOYS JENA	000000068317576	000000068306847	2	-2	41	-209	.06	3	.03	-1	88	0.3	IN LEMMLER, ANDY & CONNIE
	GE WHIRLWIND GRASSHOPPER	000000068307302	000000068302060	3	-2	28	-30	.04	7	.00	-1	-0.1*	MA CARRINGTON, CALVIN	
237	GE GINGER-EFFECT PS LEAH-ET	000000068316981	000000360012228	2	-3	43	35	-.01	0	-.01	0	85	0.2	NH CLARK, JOHNATHON A.
238	GI PINNACLE MILLN DLR RIDE 217	840003131909913	000000370011475	1	-4	34	-352	.08	2	.09	6	80	-0.6	MI MOYER, BRENT & BRENT ROBINSON
239	GE DAN SAL SAM SYBIL	000000068306942	000000000456414	3	-6	41	-193	.05	3	.01	-4	85	0.1	MO MILLER, ALLEN
240	GE DAN SAL PIRELLI LORRETTA	000000068318972	000000068307830	2	-8	36	-332	.06	-1	.02	-6	81	0.5	MO VOSKAMP, ROPER & REAGAN
241	GE WINCHS PINE GROVE FARMS 719	840003128475216	000000000461776	3	-9	39	182	-.06	-5	-.05	-3	-0.1*	WI WINCH'S PINE GROVE FARMS	
	GE CHERRYWOOD SUPREME BRYNN	000000068319593	000000370011478	1	-9	43	-68	-.09	-20	-.01	-4	0.4*	MN BEKIUS, KEN	
243	GE FOSS MILLIONAIRE ANN 611	000000068303525	000000370011475	5	-11	36	-88	-.04	-10	.00	-2	85	-0.4	MN FOSS FARMS
	GR KOLASKE FARMS D DAN ERICA	000000068318007	000000471000302	4	-11	27	164	-.01	4	-.02	1	83	0.1	WI KOLASKE, MICKAYLA
245	GE LAZY M STANLEY DISNEY	840003135718303	000000068311827	1	-13	38	-628	.13	0	.06	-8	82	-0.1	WI MAIER, MICHAEL AND HERMAN
246	GE INNISFAIL HK LADY 137	000000068310221	000000068300435	5	-14	38	-262	.07	3	.01	-6	0.2*	MN KLINDWORTH, JACOB	
247	GE INNISFAIL ES LAD LUCY	000000068314951	000000068310520	3	-16	40	-647	-.03	-30	.05	-11	84	0.1*	MN SEIFERT, ERIC
248	GE WINCHS PINE GROVE FARMS 738	840003128475236	000000000461776	3	-22	39	220	-.09	-9	-.04	-1	-0.1*	WI WINCH'S PINE GROVE FARMS	
	GI LAN-SING HILLS QUINN	000000068319218	000000068307590	1	-22	37	62	-.08	-12	-.04	-5	0.3*	IA ROCHLEAU, MEGAN	
250	GE3 SF SAM ADAM DAWN	000000068310008	000000000465413	3	-23	46	-641	.16	6	.08	-6	0.2*	IN SAMUELSON FARMS	
251	GE WIL-LOU HOWARDS CHOCKY 1704	000000068325952	000000068321767	1	-25	29	-349	.07	0	.02	-7	-0.7*	OK MARAK, STEVE, ROBBIE, TRAVIS	
252	GE SCHOEN LIRANO 2420	000000074297430	000000360012770	2	-26	44	-170	.01	-5	-.02	-9	87	0.0	MO MORRISON, MELINDA
253	GE HARD CORE SNOOPY CINDER	000000068314435	000000068303119	4	-28	35	-92	-.06	-15	-.02	-6	92	0.2	PA FISHER, KEITH A & DONNETTE F.
	GE KRAUSES PJ MISS LADY 435	000000068318637	000000360011666	2	-28	41	-175	.06	5	.02	-2	84	-0.3	TX KRAUSE DAIRY LLC
255	GI FETHER BOOTS LOVE	000000068313841	000000068301465	5	-30	38	-418	-.01	-18	.01	-12	-0.6*	MI DEFORREST, ARLENE	
256	GE RIC-KRD STANLEY CHESTNUT	000000068321536	000000068311827	1	-37	33	-604	.11	-2	.04	-11	0.2*	PA BASHORE, RENEE L.	
	GE ROSE-ARK COOKIE D9917	000000059663722	000000070000003	1	-37	36	-221	.05	1	-.03	-12	-0.1*	AR STRAIN, SAMUEL T.	
258	GE2 M-K KEIL A P PECAN	000000068318887	000000068317202	2	-39	27	-72	-.03	-8	-.01	-5	85	0.1	KS M-K KEIL CATTLE CO.
259	GE WIL-LOU SUSIE 5TH	000000068315840	000000068304565	4	-48	40	-474	.05	-8	-.01	-16	85	-0.3	OK MARAK, STEVE, ROBBIE, TRAVIS
	GE KRAUSES GLADTR CHOCKY 544	840003141573986	000000068318735	1	-48	35	-245	.03	-3	.01	-5	77	-1.2	TX KRAUSE DAIRY LLC
	GR ROCKBOTTOM SPUNGOLD WILLOW	000000068316579	000000068302215	3	-48	41	-501	-.01	-21	.02	-12	-0.1*	VT RANSOM, HARLEY	
262	GI INNISFAIL MK LADY 521	000000068319198	000000068310741	1	-49	31	-280	-.06	-21	-.03	-15	86	0.3	NY INN-EFFECT
263	GE KRAUSES GLAD MIS LADY 559	000000068322431	000000068318735	1	-63	35	-597	.01	-20	.00	-19	0.6*	TX KRAUSE DAIRY LLC	
264	GE ROSECREST BLAINE BETTY	000000068321005	840003012719334	1	-64	35	-483	.03	-13	-.01	-17	0.4*	WA MCCOOL, GARY W. &/OR SHARON L.	

December 3, 2019 Note: * next to PTAT means a Parent Average PTAT and type parent averages used in calculating PPR