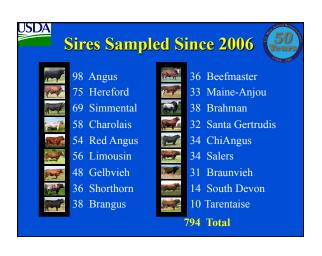


# Goals of the Transition to a New Structure

- Provide information that serves the current needs of the beef industry as efficiently as possible.
- Develop a population that provides the resources to respond to future needs of the beef industry as rapidly as possible.
  - Design the project in such a way that it can adapt rapidly to changing needs or better ideas.

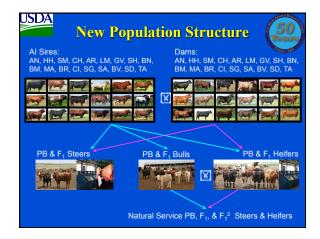






#### USDA Sire Sampling Process

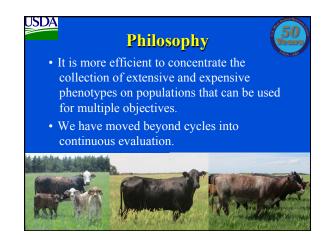
- Aim is to sample high accuracy sires that are as influential in their breeds as possible.
- We greatly appreciate the cooperation, support, and patience of the breed associations, bull owners, and AI industry.
- We do our best to sample each breed as fairly as possible.
- And then, we do our best to adjust out any remaining sampling differences in the analyses.
- We produce roughly 10 progeny per bull sampled.



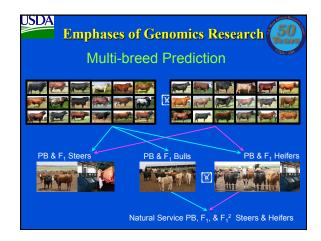
	Calv	ves Pi	rodu	ced b	by Y	ear	- Ve
Birth			AI			Nat.	- Con
Year	1/2	3/4	7/8	15/16	PB	Serv.	Tota
2007	277	38				21	336
2008	629	204			42	1379	2254
2009	345	227	6		123	1548	2249
2010	415	204	27		128	1585	2359
2011	434	308	82	2	115	1369	2310
2012	488	274	115	8	122	1284	2291
2013	318	302	145	36	127	1553	248
2014	388	153	73	20	46	1248	1928
Spring	2050	1148	323	47	512	8247	12327
Fall	1244	562	125	19	191	1740	388
Total	3294	1710	448	66	703	9987	16208

JSDA	AI-siı	ed (	Calv	ves i	Prod	luc	ed	50
	Breed	1/2	3/4	7/8	15/16	PB	Total	Years
	Angus	246	135	26		167	576	USDA - ABB
	Beefmaster	224	66				295	
	Brahman	204	56				260	
	Brangus	243	67				317	
	Braunvieh	209					300	
	Charolais	141	97			191	463	
	Chiangus	216		33			338	
	Gelbvieh	143	162	79			396	
	Hereford	194	114			184	512	
	Limousin	134	180	69	18		401	
	Maine Anjou	240	90	20			350	
	Red Angus	143	166	68			394	
	Salers	202	94	14			310	
	Santa Gertrudis	204	81	22			309	
	Shorthorn	246	109				375	
	Simmental	205	110			149	491	
	South Devon						60	
	Tarentaise	53	16				69	
	Total	3294	1706	447	66	703	6216	

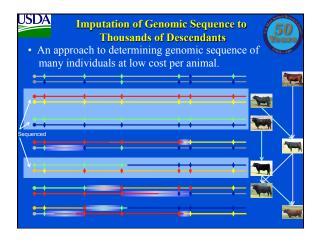
TABLE 2: BREED OF SIRE MEANS FOR 2012 BORN ANIMALS									
UNDER CONDITIONS SIMILAR TO USMARC									
Breed	Birth Wt.	Weaning Wt.	Yearling Wt.	Maternal Milk	Marbling Score <sup>a</sup>	Ribeye Area	Fat Thickness		
Angus	87.0	574.3	1051.3	563.3	6.10	13.19	0.639		
Hereford	91.3	568.6	1017.2	540.4	5.34	12.92	0.580		
Red Angus	88.0	558.1	1018.4	558.8	5.67	12.83	0.598		
Shorthorn	93.5	551.3	1018.0	563.2	5.44	12.92	0.485		
South Devon	91.1	564.1	1020.9	564.6	5.89	13.18	0.503		
Beefmaster	91.8	573.4	1012.6	547.7					
Brahman	97.9	587.0	1000.4	569.2	4.76	12.72	0.489		
Brangus	90.3	565.9	1014.0	552.5					
Santa Gertrudis	92.3	570.4	1014.0	552.5	4.93	12.68	0.527		
Braunvieh	90.2	542.1	979.6	574.2					
Charolais	94.4	589.8	1052.0	553.7	5.20	13.97	0.416		
Chiangus	91.1	545.2	990.4	550.4	5.39	13.25	0.494		
Gelbvieh	89.3	571.4	1033.6	570.5	5.27	13.81	0.447		
Limousin	90.6	571.4	1009.9	554.9	4.88	14.35			
Maine-Anjou	91.8	546.1	1001.7	552.3	5.09	13.81	0.401		
Salers	88.9	562.1	1020.8	561.9	5.71	13.56	0.422		
Simmental	90.8	584.1	1044.9	563.5	5.32	13.93	0.420		
Tarentaise	88.9	573.0	1004.2	565.0					

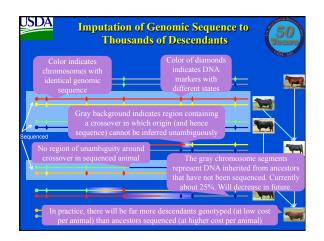




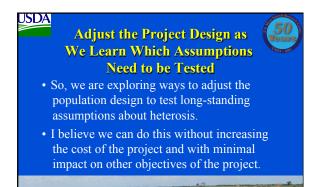












## USDA

#### Conclusions

• I am confident that we utilize your tax dollars more effectively by using the same cattle to address multiple objectives simultaneously than would be possible with a number of smaller projects, each focused on only one objective.



#### USDA

### Acknowledgements

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