

# ACCELERATED CONCEPTION EVALUATION

EXCLUSIVELY AT ACCELERATED GENETICS



**ACCELERATED CONCEPTION EVALUATION (ACE) IS A SIRE FERTILITY INDEX DEVELOPED BY ACCELERATED GENETICS** by collecting data from dairies across the United States. ACE uses a complex statistical model that accounts for both cow and environmental factors such as parity, number of inseminations, season of breeding, level of milk production, year of breeding, farm and days in milk; the response variable is sire fertility. The reproduction results included in the analysis are based only on actual pregnancy checks, not non-return rates.

In July 2011, ACE was presented at the American Dairy Science Association annual meeting in collaboration with Dr. Victor Cabrera from the University of Wisconsin-Madison.

ACE correlation to SCR was 85% for the December 2012 sire proof. ACE scores are assigned according to standard deviations (SD) from the mean conception of the entire dataset, ranked from 1 star to 5 star with 5 stars being the highest.

For easier interpretation, only the star ranking is available.

*	LOW	< -1.5 SD
**	FAIR	-1.4 to -0.5 SD
***	AVERAGE	-0.4 to +1.0 SD
****	SUPERIOR	+1.1 to +2.0 SD
*****	EXCELLENT	> +2.0 SD

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# LEADING ACE FERTILITY SIRES

AT ACCELERATED GENETICS

## HOLSTEINS

STUD CODE/NAME	NO. OF BREEDINGS	% REL.	ACE	STARS
014H005095 ALANDO-RED	4411	94.4%	2.4	*****
014H006429 MAN O MAN 2	11507	97.8%	2.2	*****
014H005647 DAVIS	4548	94.6%	2.0	*****
014H006047 FAVRE	4040	94.0%	2.0	*****
014H005560 EMERALD	28644	99.1	1.8	*****
014H006677 VAL	3168	92.4%	1.8	****
014H004916 JAKE	18307	98.6%	1.7	****
014H006090 BOWSER	13901	98.2%	1.7	****
014H006107 KIEFFER	1765	87.2%	1.7	****
014H005382 CONTACT	21576	98.8%	1.6	****
014H006060 FABIO	2524	90.7%	1.6	****
014H003831 MARION	20216	98.7%	1.5	****
014H005853 MERIDIAN	1348	83.8%	1.4	****
014H005617 MYSTIC	12084	97.9%	1.3	****
014H005681 LOTO	11804	97.8%	1.3	****
014H006132 DIGGER	11085	97.7%	1.3	****
014H005016 WILK	18145	98.6%	1.0	****
014H006917 ELECTION	1461	84.9	1.0	****

## JERSEYS

STUD CODE/NAME	NO. OF BREEDINGS	% REL.	ACE	STARS
014JE00582 HARDWOOD	1426	84.6%	2.0	*****
014JE00472 ALEXANDER	9574	97.4%	1.9	****
014JE00544 DAZZLE	611	70.1%	1.4	****
014JE00470 CHIEF-P	802	75.5%	1.4	****
014JE00581 HEBO	1021	79.7	1.4	****
014JE00572 VEGAS	4134	94.1	1.2	****
014JE00533 VITO	3101	92.3	1.0	****

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