GeoNicks™ North America

EXCEED AND EXCEL--DAME MARGO FONTEYN

A+++   *Triple Plus*

Based on the DANEHILL--SADLER'S WELLS cross

This cross has produced 25 stakes winners in North America, including:

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
LUAS LINE	2002	F	G1			Y	DANEHILL ex STREETCAR (IN THE WINGS)
AVE	2006	F	G1			Y	DANEHILL DANCER ex ANNA AMALIA (IN THE WINGS)
TANNERY	2009	F	G1			Y	DYLAN THOMAS ex DANSE GRECQUE (SADLER'S WELLS)
RICH TAPESTRY	2008	C	G1	Y	Y	Y	HOLY ROMAN EMPEROR ex GENUINE CHARM (SADLER'S WELLS)
FLINTSHIRE	2010	C	G1			Y	DANSILI ex DANCE ROUTINE (SADLER'S WELLS)
OUTSTRIP	2011	C	G1			Y	EXCEED AND EXCEL ex ASI SIEMPRE (EL PRADO)
ZHUKOVA	2012	F	G1			Y	FASTNET ROCK ex NIGHTIME (GALILEO)
PIZZA BIANCA	2019	F	G1			Y	FASTNET ROCK ex WHITE HOT (GALILEO)
OBVIOUSLY	2008	G	G1			Y	CHOISIR ex LEALA (MONTJEU)
SISTERCHARLIE	2014	F	G1			Y	MYBOYCHARLIE ex STARLET'S SISTER (GALILEO)
A RAVING BEAUTY	2013	F	G1			Y	MASTERCRAFTSMAN ex ANABASIS (HIGH CHAPARRAL)
VIADERA	2016	F	G1			Y	BATED BREATH ex SACRED SHIELD (BEAT HOLLOW)
FLUFFY SOCKS	2018	F	G2			Y	SLUMBER ex BREAKFAST TIME (KITTEN'S JOY)
MRS KIPLING (IRE)	2006	F	G3			Y	EXCEED AND EXCEL ex QUINZEY (CARNEGIE)
COVER SONG	2013	F	G3			Y	FASTNET ROCK ex MISTY FOR ME (GALILEO)
ELYSEA'S WORLD	2013	F	G3			Y	CHAMPS ELYSEES ex IDEAL WORLD (SINGSPIEL)
ZOFELLE	2016	F	G3			Y	ZOFFANY ex HEIGHT OF ELEGANCE (GALILEO)
KISSABLE	2008	F				Y	DANEHILL DANCER ex KITTY O'SHEA (SADLER'S WELLS)
AIRE BUENO	2009	C				Y	IVAN DENISOVICH ex ARABIAN GIRL (SADLERS CONGRESS)
MAXIMOVA	2010	F				Y	DANEHILL DANCER ex HONORIA (SADLER'S WELLS)
LIGHT IN PARIS	2012	F				Y	AUSSIE RULES ex GRANDE ROUSSE (ACT ONE)
STAR DEVINE	2018	F				Y	FASTNET ROCK ex STARS AT NIGHT (GALILEO)
TONES	2009	C				Y	STRATEGIC PRINCE ex SOCIAL HONOUR (ENTREPRENEUR)
PENJADE	2013	F				Y	AIR CHIEF MARSHAL ex SALVATION (MONTJEU)
BUBBLES ON ICE	2018	F				Y	STARSPANGLEDBANNER ex MEDICEAN STAR (GALILEO)

GeoNicks™ Australasia

EXCEED AND EXCEL--DAME MARGO FONTEYN

A   (193%)

Based on the EXCEED AND EXCEL--SADLER'S WELLS cross

This cross has produced 8 stakes winners in Australasia, including:

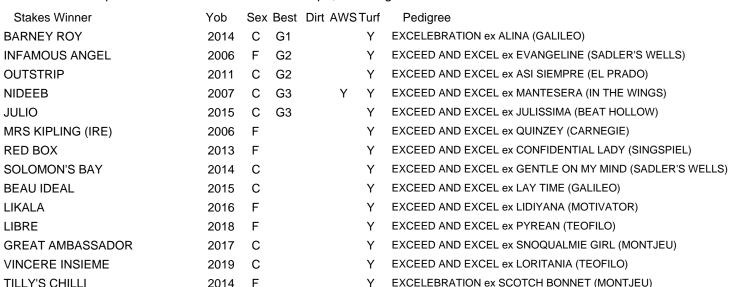| Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
HELMET	2008	C	G1			Y	EXCEED AND EXCEL ex ACCESSORIES (SINGSPIEL)
JABALI	2011	C	G2			Y	EXCEED AND EXCEL ex BALALAIKA (KING OF KINGS)
PEARLS	2012	F	G2			Y	EXCEED AND EXCEL ex ACCESSORIES (SINGSPIEL)
EXCEEDINGLY FRENCH	2006	F				Y	EXCEED AND EXCEL ex PARIS IN THE FALL (SADLER'S WELLS)
BABY CORN	2006	F				Y	EXCEED AND EXCEL ex SWEET CORN (SCENIC)
CANALI	2006	G				Y	EXCEED AND EXCEL ex ANGORA (BARATHEA)
FOLKSWOOD	2013	C				Y	EXCEED AND EXCEL ex MAGIC NYMPH (GALILEO)
AQUITAINE	2016	F				Y	EXCEED AND EXCEL ex THALIA (MEDAGLIA D'ORO)

GeoNicks™ Europe

EXCEED AND EXCEL--DAME MARGO FONTEYN

A (186%)

Based on the EXCEED AND EXCEL--SADLER'S WELLS cross

This cross has produced 15 stakes winners in Europe, including:

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
BARNEY ROY	2014	C	G1			Y	EXCELEBRATION ex ALINA (GALILEO)
INFAMOUS ANGEL	2006	F	G2			Y	EXCEED AND EXCEL ex EVANGELINE (SADLER'S WELLS)
OUTSTRIP	2011	C	G2			Y	EXCEED AND EXCEL ex ASI SIEMPRE (EL PRADO)
NIDEEB	2007	C	G3		Y	Y	EXCEED AND EXCEL ex MANTESERA (IN THE WINGS)
JULIO	2015	C	G3			Y	EXCEED AND EXCEL ex JULISSIMA (BEAT HOLLOW)
MRS KIPLING (IRE)	2006	F				Y	EXCEED AND EXCEL ex QUINZEY (CARNEGIE)
RED BOX	2013	F				Y	EXCEED AND EXCEL ex CONFIDENTIAL LADY (SINGSPIEL)
SOLOMON'S BAY	2014	C				Y	EXCEED AND EXCEL ex GENTLE ON MY MIND (SADLER'S WELLS)
BEAU IDEAL	2015	C				Y	EXCEED AND EXCEL ex LAY TIME (GALILEO)
LIKALA	2016	F				Y	EXCEED AND EXCEL ex LIDIYANA (MOTIVATOR)
LIBRE	2018	F				Y	EXCEED AND EXCEL ex PYREAN (TEOFILO)
GREAT AMBASSADOR	2017	C				Y	EXCEED AND EXCEL ex SNOQUALMIE GIRL (MONTJEU)
VINCERE INSIEME	2019	C				Y	EXCEED AND EXCEL ex LORITANIA (TEOFILO)
TILLY'S CHILLI	2014	F				Y	EXCELEBRATION ex SCOTCH BONNET (MONTJEU)
QUEENSHIP	2018	F				Y	EXCELEBRATION ex HEIGHT OF ELEGANCE (GALILEO)

Generated on 01/16/22

	1 NORTHERN DANCER (B/C)	NEARCTIC / NATALMA
DANZIG (I/C)		
	PAS DE NOM	ADMIRAL'S VOYAGE / PETITIONER
DANEHILL (Q)		
	HIS MAJESTY (C)	RIBOT / FLOWER BOWL
RAZYANA		
	1 SPRING ADIEU	BUCKPASSER / NATALMA

EXCEED AND EXCEL
(2000)

	1 NORTHERN DANCER (B/C)	NEARCTIC / NATALMA
LOMOND		
	MY CHARMER	POKER / FAIR CHARMER
PATRONA		
	WATCH YOUR STEP	CITATION / STEPWISELY
GLADIOLUS		
	BACK BRITCHES	CARRY BACK / FOXBRITCHES

Prospective foal

	1 NORTHERN DANCER (B/C)	NEARCTIC / NATALMA
SADLER'S WELLS (C/S)		
	FAIRY BRIDGE	BOLD REASON / SPECIAL
HIGH CHAPARRAL		
	DARSHAAN (Q)	SHIRLEY HEIGHTS / DELSY
KASORA		
	KOZANA	KRIS / KOBLENZA

DAME MARGO FONTEYN
(2013)

	DANEHILL (Q)	DANZIG / RAZYANA
KEEPER		
	NUWIRAH	PLEASANT COLONY / SECRETARIAL QUEEN
DANCING FOREVER		
	SUCCESS EXPRESS	HOLD YOUR PEACE / AU PRINTEMPS
FOREVER DANCING		
	KASIMOVA	NIJINSKY II / ARABIAN DANCER

Sibling Identifier: odd numbers = same dam only; even numbers = same sire and dam

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Roman Dosage Profile: (3-2-9-2-0)

D.I.: 1.46   C.D.: 0.38

Werk Quality Rating: Q 6

Dosage Points: 16   +   Quality Points: 12   =   Total Points: 28

5-Generation Inbreeding: DANEHILL - 2m x 4m
NORTHERN DANCER - 4m, 4m x 4m
NATALMA - 5m, 5f, 5m x 5m

Stakes Winners

Stakes winners bred from the DANEHILL--HIGH CHAPARRAL cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
A RAVING BEAUTY	2013	F	G1			Y	MASTERCRAFTSMAN ex ANABASIS (HIGH CHAPARRAL)
BALLISTIC BOY	2016	C	G3			Y	SMART MISSILE ex MAGICAL MIST (HIGH CHAPARRAL)
MISS INFINITY	2014	F				Y	ROCK OF GIBRALTAR ex MURAVKA (HIGH CHAPARRAL)
NAUGHTY OR NICE	2014	F				Y	FASTNET ROCK ex MONTY'S GIRL (HIGH CHAPARRAL)
NUMERIAN	2016	C				Y	HOLY ROMAN EMPEROR ex DELICATE CHARM (HIGH CHAPARRAL)
RIVA CAPRI	2016	F				Y	ATLANTE ex CHAPARELLA (HIGH CHAPARRAL)
THE WOW SIGNAL	2012	C	G1			Y	STARSPANGLEDBANNER ex MURAVKA (HIGH CHAPARRAL)
VASSILATOR	2015	C				Y	ZACINTO ex HIGHLIGHTS (HIGH CHAPARRAL)

Stakes winners bred from the EXCEED AND EXCEL--SADLER'S WELLS cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
AQUITAINE	2016	F				Y	EXCEED AND EXCEL ex THALIA (MEDAGLIA D'ORO)
BABY CORN	2006	F				Y	EXCEED AND EXCEL ex SWEET CORN (SCENIC)
BARNEY ROY	2014	C	G1			Y	EXCELEBRATION ex ALINA (GALILEO)
BEAU IDEAL	2015	C				Y	EXCEED AND EXCEL ex LAY TIME (GALILEO)
BELGIAN BILL	2008	C			Y		EXCEED AND EXCEL ex GAY ROMANCE (SINGSPIEL)
CANALI	2006	G				Y	EXCEED AND EXCEL ex ANGORA (BARATHEA)
CIELO CANARIAS	2008	C				Y	EXCEED AND EXCEL ex SUMMER DANCE (SADLER'S WELLS)
EXCEEDINGLY FRENCH	2006	F				Y	EXCEED AND EXCEL ex PARIS IN THE FALL (SADLER'S WELLS)
FOLKSWOOD	2013	C	G3			Y	EXCEED AND EXCEL ex MAGIC NYMPH (GALILEO)
GREAT AMBASSADOR	2017	C				Y	EXCEED AND EXCEL ex SNOQUALMIE GIRL (MONTJEU)
HELMET	2008	C	G1			Y	EXCEED AND EXCEL ex ACCESSORIES (SINGSPIEL)
INFAMOUS ANGEL	2006	F	G2			Y	EXCEED AND EXCEL ex EVANGELINE (SADLER'S WELLS)
JABALI	2011	C	G2			Y	EXCEED AND EXCEL ex BALALAIKA (KING OF KINGS)
JULIO	2015	C	G3			Y	EXCEED AND EXCEL ex JULISSIMA (BEAT HOLLOW)
LIBRE	2018	F				Y	EXCEED AND EXCEL ex PYREAN (TEOFILO)
LIKALA	2016	F				Y	EXCEED AND EXCEL ex LIDIYANA (MOTIVATOR)
MRS KIPLING (IRE)	2006	F	G3			Y	EXCEED AND EXCEL ex QUINZEY (CARNEGIE)
NIDEEB	2007	C	G3		Y	Y	EXCEED AND EXCEL ex MANTESERA (IN THE WINGS)
OUTSTRIP	2011	C	G1			Y	EXCEED AND EXCEL ex ASI SIEMPRE (EL PRADO)
PEARLS	2012	F	G2			Y	EXCEED AND EXCEL ex ACCESSORIES (SINGSPIEL)
QUEENSHIP	2018	F				Y	EXCELEBRATION ex HEIGHT OF ELEGANCE (GALILEO)
RED BOX	2013	F				Y	EXCEED AND EXCEL ex CONFIDENTIAL LADY (SINGSPIEL)
SECRET AMBITION	2013	C	G2	Y			EXCEED AND EXCEL ex INNER SECRET (SINGSPIEL)
SOLOMON'S BAY	2014	C				Y	EXCEED AND EXCEL ex GENTLE ON MY MIND (SADLER'S WELLS)
TAAMOL	2014	C				Y	HELMET ex SUPREME SEDUCTRESS (MONTJEU)
TILLY'S CHILLI	2014	F				Y	EXCELEBRATION ex SCOTCH BONNET (MONTJEU)
VINCERE INSIEME	2019	C				Y	EXCEED AND EXCEL ex LORITANIA (TEOFILO)

PEDIGREE RATING SCORES - "NICKS"

It's a simple formula – It's all about risk reduction.

Nicks have become an integral part of the decision-making process in the mating and purchasing of thoroughbreds. Most breeders recognise that an affinity or compatibility can exist between two thoroughbred sire lines, such that, when crossed, those lines yielded a greater proportion of superior runners than when either one of them are crossed with any other sire lines. Great breeders, from Federico Tesio to present-day breeders around the world have relied on observed nicks to help guide their breeding plans and buying decisions.

Over 70% of ALL Stakes Winners are "A" Rated Nicks

In order to identify nicks in a systematic way, the software database we use developed an evaluation method based on sire-line analysis. Ongoing studies by researchers show that approximately 25% of the Thoroughbred population is the product of highly successful nicks ("A" rated nicks) while over 70% of stakes winners come from these "A" rated nicks!

Statistics:
There are approximately 20,000 live foals born each year –
25% (5,000) are A Rated whilst 75% (15,000) are rated below.
There are 541 Stakes Races in Australia this racing season.
70% (379) will be won from the 5,000 A rated foals born (7.6%)
30% (162) will be won from the 15,000 foals in the lower rated group (1.08%).

For a practical businessperson seeking a return on money invested, it makes no sense to ignore statistically unfavorable odds. Buying a superior racehorse is already a difficult enough proposition. The Rating systems we use allow us to see into the future by looking into the past and thereby to avoid those mating patterns that have failed. The Nick Rating enables us to avoid crosses that have had little or no success in the past. At the same time, it enables us to identify and thus duplicate successful sire-line crosses, dramatically increasing the chances of success.

Over the years evaluating Nicks have proven to be an invaluable tool in the stallion selection process when identifying yearlings for purchase. Dean Watt, Managing Director of Dynamic Syndications has enjoyed great success as a result of utilising such information. For example:

SAVABEEL, POLAR SUCCESS, HE'S NO PIE EATER, ATOMIC FORCE, ECONSUL, DE BEERS, BRADBURY'S LUCK, TENANT'S TIARA and **REWARD FOR EFFORT** were all superior racehorses who had superior pedigree ratings.

ECONSUL	A+ +	13,862%
SAVABEEL	A+ +	9,325%
DEBEERS	A+ +	4,270%
POLAR SUCCESS	A+ +	2,240%
REWARD FOR EFFORT	A+	1,175%
ATOMIC FORCE	A+	988%
BRADBURY'S LUCK	A	485%
TENANT'S TIARA	A	238%
HE'S NO PIE EATER	A	161%

Further afield, in 2008 the Top 5 Racehorses in the world had the following ratings:

1 CURLIN	A+	1,375%
2 NEW APPROACH	A+	1,472%
3 RAVEN'S PASS	A+ +	5,961%
4 DUKE OF MARMALADE	A	409%
5 HENRYTHENAVIGATOR	A+ +	1,531%

Then to further support the theories, in 2008 there was 67 Group 1 races run in Australia. These races were won by 48 individual horses. When these 48 individuals' pedigrees were analysed it showed:

35 / 48 Rated A or above = 73% of Individual Group 1 Winners Rates A or above

Affinity between sire lines was long ago observed by the world's best thoroughbred breeders. Today through modern technologies we are able to quantify what was once only a subjective judgment based on the observations of a relatively small equine population.

Ratings are essentially the objective measurement of success, or lack therefore, of sire-line crosses. Success is quantified by being the winners of stakes races with a prizemoney of at least $50,000. Through software databases, containing the pedigrees of all such winners since 1977 (over 30,000 winners), we are able to more easily identify what sire-line crosses have succeeded in producing stakes winners and compare those numbers with the stakes winning population on the whole.

Often a sire line may appear to be successful with a particular broodmare sire line. However, if the level of success is no better than that sire line's success with the entire population, then there is not a true nick.

In order to understand the ratings for easy use, a letter-grade scale was developed. As in the scholastic setting, the scales ranges from F (Fail) through to A with A+ also A++ and now since 2011 the software system now identifies A+++ as possible to be achieved in some select instances. The Variants (percentages) shown in the table below are the deviation from the norm that has been observed by that sire line cross in question. On this

scale -15% to +15% (C) is considered average, meaning that the sire-line cross has yielded results that are statistically no better and no worse than what would be expected with the entire population.

An "A" rated nick indicates that a far greater percentage of stakes winners have resulted from that cross than expected. An "F" rated nick indicates that the number of stakes winners resulting from a cross is at least 50% below expectations. This does not mean that there cannot be success or will not be success from such a mating in the future. It does mean that in all the experience of the last 20 + years of winners of stakes races, that type of mating has had a significant lack of success as measured by stakes winner production.

It must be stressed that a below "Average" rating does not guarantee or even predict failure. It means only that, to date, the particular sire-line cross has fallen at least 16% short of what would be expected. Nicks can and do change over time.

Consequently, an above Average Rating must be kept in proper perspective as there are other factors that must be considered when selecting a horse for purchase. Specifically, conformation evaluation is critical. A thoroughbred may have a brilliant pedigree on paper that rates as either Excellent, Superior, Superb or Outstanding on our Ratings Score however if the skeletal structure and/or the overall constitution of the individual is lacking then the horse is rejected as a candidate for purchase.

The Rating Scale is shown below:

Nick	Horse	Variant %
A+++	Excellent	+20,000 and above
A++	Superior	+1,501 to + 19,999
A+	Superb	+500 to +1,500
A	Outstanding	+150 to +499
B+	Very Good	+100 to +149
B	Good	+50 to +99
C+	Acceptable	+16 to +49
C	Average	-15 to +15
D+	Weak	-16 to -34
D	Poor	-35 to -49
F	Unsuccessful	-50
0 SW	Zero Stakes Winners	0 SW

Dynamic Syndications uses these rating tools along with additional pedigree analysis systems from other software databases which skewer the data to local environmental factors and we have introduced a ranking on the class of Stakes Races which are won to establish what we consider is an inherent opportunity of greater racetrack success. Often a horse can have a very high Nick rating and yet score lowly on the variant and visa versa. We use this information to assist us in pedigree selections after the physical inspections have also been considered. Also we cannot blindly accept a rating score. For example Australia has only 2.9% of our races listed as Stakes Races whilst New Zealand has 9.7% and Ireland has 13.1%. Obviously the data will be weighted in certain directions if we did not counter this information with a ranking on the Stakes Races based upon country and class of race, racing region within the country and climatic conditions in the region. After adjustments the rating scale is presented below.

Quality Rating Summary

It is undeniable that racing class is in great part a function of the *quality* of ancestors contributing to new individual. It follows that certain quality stallions tend to contribute more favorably than other sires. When Quality points contributed by such deserving sires are combined with dosage points, the total points more accurately reflect the overall class of a pedigree.

The *Quality sires* in a pedigree contribute quality points (QP) to the new individual in exactly the same way as ancestral sires contribute dosage points (DP). The total number of *Quality points* is added to the *Dosage points* to get *Total Points* (TP).

The Quality Rating, which ranges from zero, as the low, to ten, as the high, is scaled to the number of total points in the pedigree:

Total Points	Quality Rating
0	Q0
1 to 4	Q1
5 to 9	Q2
10 to 14	Q3
15 to 19	Q4
20 to 24	Q5
25 to 29	Q6
30 to 39	Q7
40 to 44	Q8
45 to 54	Q9
55 +	Q10