

## Everything you need to win

### How fast has each horse run in the past? How fast will it run today?

**THORO-GRAPH** answers the first question by creating accurate performance figures. By placing the life history in figures on a graph, we allow you the opportunity to attack the second question with confidence.

Each number in a sheet represents a performance rating arrived at by using time of the race, beaten lengths, ground lost or saved on the turns, weight carried, and any effect wind conditions had on the time of the race.

All this information is refined with a carefully crafted track variant down to one number for each horse in every race.

The lower the number, the better the race. With few exceptions there will be a figure for every race a horse has run for the last four years.

**Thoro-Graph** figures are represented numerically and in a clear graphical format that is easy to read and understand.

Each column on the graph represents a year starting at the bottom in January and ascending to the top in December.

The format makes it possible to compare horses that have run under different conditions, at different distances over different tracks, and on different days.

A handicapper or horseman can examine each horse's history, form cycle, and relative ability in looking at today's race.

With a little practice, you'll be able identify form cycles. Some horses run consistent patterns, varying from a simple good race/bad race pattern, bad race after an exceptionally good effort (the "bounce"), or more complex "circling" patterns where a horse gradually loses its form then slowly comes around toward its original level.

Using **Thoro-Graph** data it is possible to anticipate these moves and select horses which are not obvious to the general public.

We also provide sophisticated analytics that enable the handicapper to evaluate trainers and pedigrees when deciding how a horse will perform under different circumstances.

Of course there are infinite variations in how horses run and no two are alike. There are no hard and fast rules on how to interpret patterns and form cycles.

Every handicapper will come up with his or her patterns they like or dislike. Some people will only bet longshots. Others just want to have fun and cash a race no matter what the return.

Whatever your style, **Thoro-Graph** provides all you need to make you a better, more informed player.

It may take a little while to get the hang of our format, but you'll realize quickly Thoro-Graph is everything you need to win.

### HOW TO USE Thoro-Graph

THE BASICS The lower the number the faster the race. On

our scale 1 point = ~1 length at 5 furlongs, increasing to 2 lengths at 10 furlongs, 1-1/4 miles.

Each sheet has up to four calendar years, increasing in age from left to right. The last race a horse ran would be the uppermost number in the rightmost column.

For horses aged four or younger the righthand one or two columns show the best figures recorded by the dam and her progeny by surface and distance.

Five pounds of weight carried = 1 point at all distances. The figures are adjusted for weight carried in previous races but not for weights carried today. If two

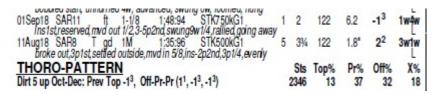
horses have run a **Thoro-Graph** figure of 10 then a horse in at 115 should beat a horse at 120 by 1 point, or 1 length at 5 furlongs.

Each path out from the rail on the turn (1 path) = 1 length of ground loss. If all else is equal, in a one-turn race a horse in the 3 path runs 2 lengths farther than a horse on the rail.

The figures aren't adjusted for horses that were off poorly, stumbled from the gate, checked or were taken up in a race. Notations made next to the figures denote such instances.

Figures are denoted in quarter-point increments, i.e., $25^1 = 25-1/4$ ,  $25^2 = 25-1/2$ ,  $25^3 = 25-3/4$ . A "-" in the race summary means no figure could be made.

# RACE SUMMARIES AND THORO-PATTERN



Up to eight running lines are provided for each horse. From left to right, the running line denotes race date, track, race #, T if turf, track condition, distance, time of race, race type, finish position, beaten lengths, weight, odds, **Thoro-Graph** figure, path, and equipment and medication information. All trainer changes, not just claims, are listed.

The Thoro-Pattern shows how horses with a similar figure pattern have run previously. A Top is a figure more than one point better than a horse's previous best, a Pair is a figure a point better or worse inclusive than the previous top, an Off is more than one point up to four points slower and an X is over four points slower.

### **EQUIPMENT, MEDICATION AND TRACK CONDITION CODES**

BAR	Barshoe or	FBC	Front & back	my	Muddy
	Al pad		caulks	sy	Sloppy
bl	Blinkers	L	Lasix	wf	Wet fast
f	Front	В	Bute	sf	Soft
	bandages	N	Nasal strip	yl	Yielding
FC	Front caulks	gd	Good (dirt or	*	Synth track
ВС	Back caulks		turf) `		-



## TRAINER PROFILE

 RUNS-BASED
 TG FIGURE-BASED

 Starts Win% ITM%
 ROI
 Category
 Starts Top% Pair%
 Off%
 X9

 11165
 17
 45
 1.52
 Overall
 6436
 17
 33
 30
 2

 5253
 27
 62
 1.61
 4-1 or less
 3531
 18
 35
 30
 1

 3587
 11
 36
 1.52
 over 4-1 to 10-1
 2000
 16
 33
 30
 2

We provide trainer analytics using

both conventional runs-based data and also data reflecting the figures horses trained by the trainer have previously run in each category.

In both tables an unusually good stat for a particular category is shown in **bold** while a poor one will be in *italic*. The categories shown are tailored to the factors applying for the current race.

The figure studies are based on the "effective top" of each horse at the time of a race. Effective top is defined as the horse's best figure from his last six starts, or last 12 months if he ran fewer than six times during that period.

Only horses that have run at least six times for the trainer are included in the studies except, of course, for the "after a trainer change" categories.

Apart from First Time Turf, comparisons are made only for races on the same surface. If a horse raced on dirt, the comparison is to his best dirt number in his previous six starts on any surface.

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### JOCKEY PROFILE

Jockey data is for the last 12 months and is broken out by turf and dirt and routes and sprints. The Path column shows the rider's average position around each turn.

Category	Strts	Wins	Win%	Path	ROI	
Overall	282	65	23	2.5	1.77	
Dirt	160	48	30	2.9	2.07	
Routes	192	43	22	2.4	1.54	
Off tracks (Dirt)	31	11	35	3.3	2.04	
At SA	137	36	26	2.6	2.30	

### SIRE PROFILE

The TGI (**Thoro-Graph Index**) for sires is the av-

erage of the best figure achieved by all their offspring. Statistics are based solely on North American starts. The TGI provides an at-a-glance guide to how a horse may be suited to turf or how it may handle an off-track or a

 ategory
 TGI Horses
 Starts
 Wins
 Win%
 ITM
 ITM%
 SW

 verall
 11
 565
 6681
 1148
 17
 3025
 45
 131

 y-0
 15¹
 392
 1098
 187
 17
 505
 46
 29

 y-0
 12
 458
 2642
 472
 18
 1197
 45
 67

 y-0
 10¹
 272
 1814
 302
 17
 827
 46
 29

 y-0 and up
 9
 116
 1127
 187
 17
 496
 44
 6

 int
 12³
 521
 3848
 703
 18
 1813
 47
 85

 yoth
 13²
 123
 465
 76
 16
 210
 45
 14

 ff tracks
 13
 334
 916
 155
 17
 410
 45
 12

change in distance. It also shows whether a sire is likely to get precocious two-year-olds or whether his progeny will need more time to reach their full potential. SW is the number of Stakes wins recorded by the sire's progeny.

Thoro-Graph figures are calculated from data compiled from several sources including Equibase Company LLC. Data provided or compiled by Equibase Company LLC (which includes data from The Jockey Club) and/or Thoro-Graph Inc. generally is accurate but occasional errors and omissions may occur as a result of incorrect data receive by others, mistakes in processing, and other causes. Thoro-Graph Inc., Equibase Company LLC, and The Jockey Club disclaim responsibility for the consequences, if any, of such errors but would appreciate their being called to their attention.

### HOW TO USE Thoro-Graph

### **THE GRAPH**

Each column represents a year and as well as a horse's figures being plotted to reflect figure and time elapsed there are notations (either by the figure or after the track) for any factors which may have affected the figure.

Races 5-1/2 furlongs and less are in italic light face e.g.  $25^2$ , 6 furlongs to less than 1 mile are in light face  $(25^2)$ , 1 mile to 1-1/8 miles are in **bold**  $(25^2)$  and more than 1-1/8 miles are in **bold** *italic*  $(25^2)$ . Turf races are preceded by a "-". A  $\square$  means no figure could be made for the race.

### **THE CODES**

bi, bo Bore in, bore out bled Bled during race Fractious gate or ran off gate ĥ? Horse may not have been extended h pace Unusually fast pace Off poorly < 2 lengths op-Off poorly 2 < 4 lengths qo Off poorly > 4 < 6 length op+ Off poorly > 6 < 8 lengths op+++ Off poorly 8 or more or dwelt rank Erratic or unruly during s\_pace Unusually slow pace Stumbled start or during st

Big trouble during race

Time of race in question

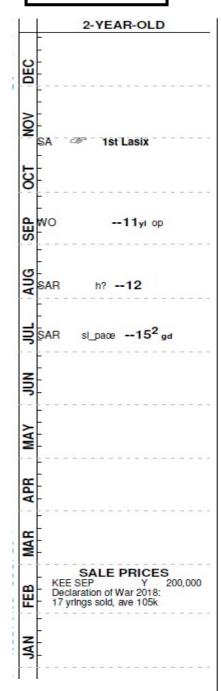
Taken up, steadied, or

checked

Τ

tu

time?



- X Ran on a dead rail! Buried race, faster than appears to public
- \$ Heavily bet for no obvious reason
- Change of equipment, medication, gelded, since last race, etc.
- ▲ Lasix on (incl 1st Lasix)
- ▼ Lasix off
- Trainer change

### **DAM DATA**

Sheets for all horses less than five-years-old will include the race records (North American from 1992 on) for each dam and her most recent foals and their best Thoro-Graph figure broken down by year, distance, surface and track condition. Examples are shown below. An asterisk \* indicates that the horse may have raced before 1992. A dash (--) in the category means the horse did not race or we do not have figures.

#### 2- AND 3-YR-OLDS

12 f by G	HARGE BI Biant's Cau (5w, 6itm,	seway (1	0 <sup>1</sup> )
2y0	3	4	5+
-Fst (7)7	7 (3)7	(-)-	(-)-
Off (1)	152 (-)-	(-)	(-)
-Sth (-)-	(-)-	(-)-	(-)-
_Tu (-)-	(-)-	(-)-	(-)-
Spr (3)	13 (1)19	2 (-)-	(-)-
Rte (5)7	7 (2)7	(-)-	(-)-

#### 4-YR-OLDS

MEO						
-13 ft	by Gio	Ponti	(14)			
Strts	20 (4	w, 7itr	n, Osw	<b>(</b> )		
2yo	3	4	5+			
192	122	10 <sup>2</sup>	- 83 -			-
Fst	Off	Sth	Tu	Spr	Rte	
12	10 <sup>2</sup>	112	83		83	

#### SALE PRICES

The sale price for all thoroughbreds sold at public auction as a (W) eanling, (Y)earling, or (2)-year-old are shown at the bottom of a horse's 2-year-old column as are averages for all the sire's progeny sold in that year.