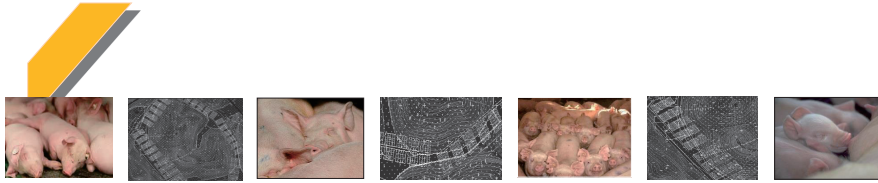


Explore Danish Technologies for Future of Livestock Research In Taiwan



豬育種採用丹麥技術—攜手並進  
Adoption of Danish Technologies – “Hand-In-Hand”



Sussie Ketit, Head of Asia Region for Singapore, Malaysia, Indonesia, Taiwan and Philippines is a professional Facilities Management Practitioner and Educator, holds a basic degree in Health and Nutrition, MSc in Health and Wellness and PhD in Education, a Certified Curriculum Developer for Singapore Workforce Skills Qualification Approved Training Organizations (WSQ ATOs), an expert on Problem Based Learning.

~21~

Market updates :  
Major Exporters 2019 Forecast

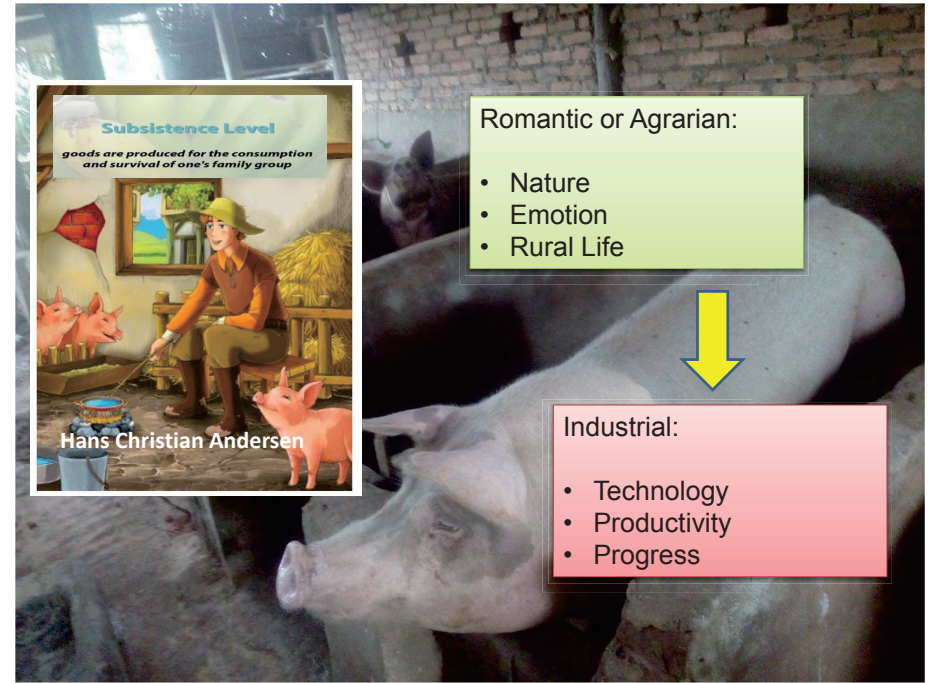
Major Exporters: 2019 Forecast								
Beef			Pork			Chicken Meat		
Country	Production	Exports	Country	Production	Exports	Country	Production	Exports
United States	↑ 4%	↑ 3%	EU	↔ 0%	↑ 3%	Brazil	↑ 2%	↑ 2%
Brazil	↑ 3%	↑ 5%	United States	↑ 5%	↑ 4%	United States	↑ 2%	↑ 3%
Australia	↓ -5%	↓ -7%	Brazil	↑ 3%	↑ 7%	EU	↑ 1%	↑ 5%

Approved by the World Agricultural Outlook Board/USDA

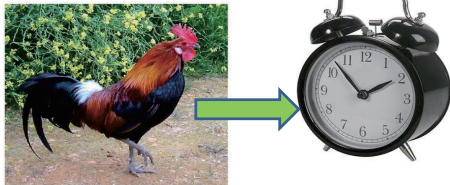
Pork Production Summary

Pork Production - Selected Countries Summary 1,000 Metric Tons (Carcass Weight Equivalent)						
	2014	2015	2016	2017	2018	2019 Oct
<b>Production</b>						
China	56,710	54,870	52,990	53,400	54,150	54,800
European Union	22,540	23,249	23,866	23,663	24,100	24,000
Brazil	3,400	3,519	3,700	3,725	3,675	3,775
Russia	2,510	2,615	2,870	3,000	3,235	3,310
Vietnam	2,431	2,548	2,701	2,741	2,675	2,735
Canada	1,805	1,899	1,914	1,959	1,960	1,970
Philippines	1,402	1,463	1,540	1,563	1,600	1,630
Korea, South	1,200	1,217	1,266	1,280	1,375	1,415
Mexico	1,135	1,164	1,211	1,267	1,310	1,360
Japan	1,264	1,254	1,279	1,282	1,285	1,285
Others	5,733	5,503	5,482	5,547	5,601	5,684
<b>Total Foreign</b>	<b>100,130</b>	<b>99,301</b>	<b>98,819</b>	<b>99,427</b>	<b>100,966</b>	<b>101,964</b>
<b>United States</b>	<b>10,368</b>	<b>11,121</b>	<b>11,320</b>	<b>11,611</b>	<b>11,992</b>	<b>12,621</b>
<b>Total</b>	<b>110,498</b>	<b>110,422</b>	<b>110,139</b>	<b>111,038</b>	<b>112,958</b>	<b>114,585</b>
<b>Total Dom. Consumption</b>						
China	57,194	55,668	54,980	54,812	55,725	56,525
European Union	20,390	20,871	20,747	20,817	21,065	20,865
Russia	3,021	3,016	3,192	3,338	3,250	3,300
Brazil	2,846	2,893	2,870	2,941	2,992	3,042
Japan	2,543	2,568	2,626	2,741	2,785	2,806
Vietnam	2,414	2,526	2,647	2,703	2,660	2,730
Mexico	1,836	2,017	2,091	2,180	2,305	2,405
Korea, South	1,660	1,813	1,894	1,926	2,010	2,122
Philippines	1,600	1,637	1,734	1,803	1,869	1,929
Taiwan	875	937	902	929	933	933
Others	6,889	6,654	6,660	6,854	7,079	7,281
<b>Total Foreign</b>	<b>101,268</b>	<b>100,600</b>	<b>100,343</b>	<b>101,044</b>	<b>102,673</b>	<b>103,938</b>
<b>United States</b>	<b>8,544</b>	<b>9,341</b>	<b>9,475</b>	<b>9,540</b>	<b>9,760</b>	<b>10,273</b>
<b>Total</b>	<b>109,812</b>	<b>109,941</b>	<b>109,818</b>	<b>110,584</b>	<b>112,433</b>	<b>114,211</b>

Note: From 2015, the following countries are excluded: Albania, Armenia, Congo (Brazzaville), Gabon, Georgia, Ghana, Jamaica, North Korea, Kyrgyzstan, Moldova, Switzerland and Trinidad and Tobago. From 2016, Venezuela is excluded. The notation of a month beneath a year conveys the month in which the forecast for that year was released.



### THE EVOLUTION



#### 台灣優良豬舍實例

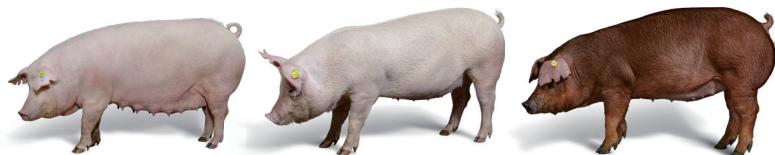
分段作業

(2) 排水良好，地面斜度以1:30為準。  
 (3) 儘量將排水溢出口之排水管道和排糞管分開，以減少糞中含水量。  
 (4) 採用人工餵料乾母豬，會導致巨大的噪音，以致需及工作人員之體力，應考慮採用同步式餵料裝置。

圖2-21 廣大之空間群養母猪，使母猪有足夠之運動，可維持四肢強健及促進發情之效果。

圖2-22 透天式母猪運動場可能導致母猪體溫的驟變而不利于母猪繁殖，同時沙土地面易感染寄生蟲，但如腳有問題之母猪則另當別論。

## 丹育種豬 HOW WELL DO YOU KNOW THEM?



丹育長白豬  
DanBred  
Landrace

丹育大白豬  
DanBred  
Yorkshire

丹育杜洛克  
DanBred  
Duroc

## 丹育種指數 — 您基因價值的標杆 DANBRED INDEX – YOUR GUIDE TO GENETIC VALUE



## 丹育育種目標 DANBRED BREEDING OBJECTIVE

The DanBred breeding objective only includes traits which:

- Make a positive difference to production costs
- Has a measurable economic value
- Are hereditary and show genetic variation
- Can be measured directly or indirectly on a large scale

## 丹育育種目標 DANBRED BREEDING OBJECTIVE



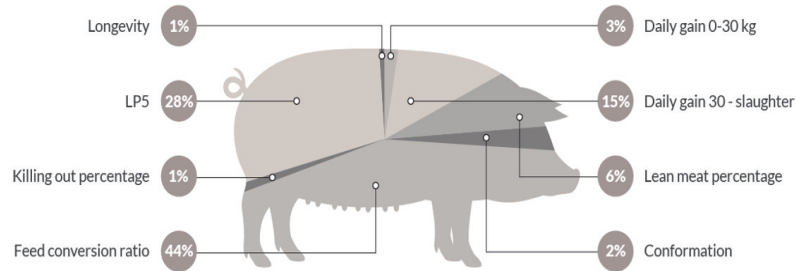
SOWS



FINISHERS

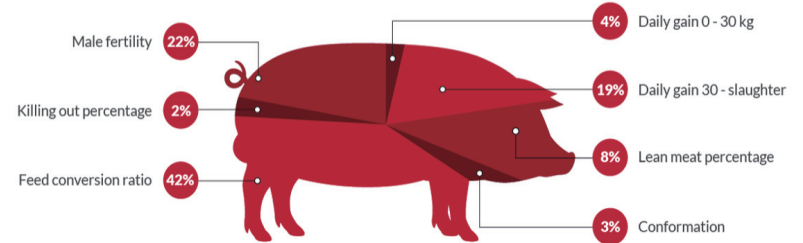
## 丹育育種目標 DANBRED BREEDING OBJECTIVE

Composition of the breeding objectives for Landrace and Yorkshire sow breeds, financial contribution (2015-2018)



## 丹育育種目標 DANBRED BREEDING OBJECTIVE

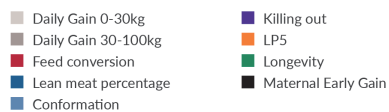
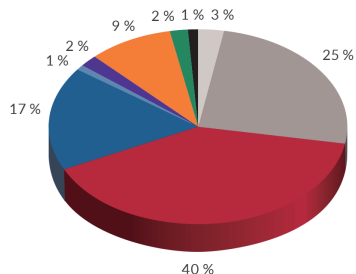
Composition of the breeding objectives for Duroc, financial contribution (2015-2018)



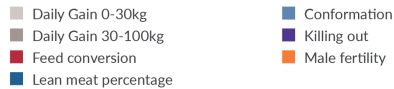
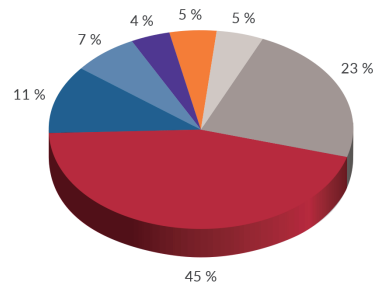
24

## WHAT'S NEW FOR 2018?

DanBred Landrace & DanBred Yorkshire 2018



DanBred Duroc 2018



Denmark produces 30 million pigs per year, and is the biggest export country in the world

## 丹育育種註冊和驗證

Since 1985, DanBred has registered and validated breeding data on all litters

Herd number	Herd name	Country	Ranking	Crossbred - litter index (V and VI)	number of litters	All female indices (L)	number of animals	All female indices (PV)
306	ALCIS BOSCH	DE	1	94.9	312	80.8	370	
482	FOKBERUF KLEIN KONK	NL	2	91.8	1158	73.3	1083	
215	DE PULSTAART	NL	3	91.2	465			75.2
155	SOKOLOW	PL	4	90.9	1333	77.5	1359	
52	BETRIEB VERHÜSOONK	DE	5	90.6	57	67.7	122	
397	DELTA AGRAR	RS	6	89.6	309	88	232	98.1
170	AGRARGENOSSENSCHAFT RUCKETH	DE	7	89.3	755			72.7
309	SASC BLOTTIESE	FR	8	89.1	281			78.4
164	JOSEPH VANDEN ABEELE	BE	9	89.1	281			68.6
461	GALNA - INVESTMENT LTD.	HU	10	88.7	1031	76.1	989	
171	ZWING MEYER ZU BROCKEN	DE	11	88.7	206	70.4	189	
269	SZLUSIS	HU	12	88.5	1430	76.6	1381	
365	ZWING - LANDGUT KARDIEZ GBR	DE	13	88	344	69.6	288	
339	PORKUSS BRUSSEN	DE	14	87.9	381	74.3	13	71
355	ZWIS - VOSS-HAGEN	DE	15	87.4	1865	70.2	1886	
851	MTR. B and C LANGERHESE	NL	16	87.1	435			63.9
605	LV VANRETECHEM	BE	17	86.7	274	98.3	15	59.5

Refer to Handout Appendix



We do that by tying a strap around their bodies, and inserting a catheter, and then we have a bag with 2 billion sperm cells



He is here to stimulate the sows, by walking in front of them  
His breeding value is too low to be used for breeding



They are typically three years old and have been pregnant 6-7 times  
the most productive have had up to 24 piglets in one litter



The life of the sows end here,  
behind the hatch, they are stunned with gas

## STUNNING METHODS



Stunning methods currently used at slaughterhouse HOW an inefficient or inappropriate stunning technique can result in carcass degradation and loss in earnings for the producer

~26~

Table 2. Advantages and disadvantages of electrical and gas stunning methods for pig welfare.

Method	Advantages	Disadvantages
Electrical stunning	<ul style="list-style-type: none"> <li>Immediate stun</li> </ul>	<ul style="list-style-type: none"> <li>Involves isolation from the group</li> <li>Involves restraint</li> <li>Associated with poorer carcass quality</li> <li>Stunning efficiency may vary with the operator placement of the electrodes or state of the stunning equipment</li> </ul>
Gas stunning	<ul style="list-style-type: none"> <li>Pigs can be stunned in groups</li> <li>Human handling is minimised</li> <li>Restraint is not needed</li> <li>Associated with improved carcass quality</li> </ul>	<ul style="list-style-type: none"> <li>Does not cause an immediate stun</li> <li>Causes pain and distress for a brief period (&lt; 30s)</li> </ul>

### 4.2 Strategic Objective 1 – Growing Consumer Appeal

"Making Australian pork more uniquely valuable to consumers and increasingly a part of their eating pleasure."

#### 4.2.1 Programme 1 – Better Pork

Programme	KPI	Unit	2017-2018 Target	Result
Better Pork	Eating Quality Pathways Performance	Product fail rate percentage in best sales channel (bad taste)	2.15%	5.91%
	Pork Image Attributes	Percentage agreement with:		
"Pork is low in fat and a valuable source of iron"		18%	16%	
"Easy to cook"		50%	48%	
	"Pork is versatile"	52%	52%	

KPI Table: Strategic Objective 1 Programme 1 – Better Pork



AUSTRALIAN PORK LIMITED  
Annual Report 2017-2018

Pork processing plant



Located in Horsens, Denmark



1.500 employees in Horsens

Yearly turnover: Approx. 8 billion EUR

## MEAT SORTING



Measures fat content in portions of trimming for automatic sorting into batches according to predetermined fat content.



Measurement of fat content, weight and detection of foreign objects



Individual pig management in the entire production cycle



Electronic Sow Feeding

Farrowing & Breeding Stall Feeding

Pig Sorting

Pig Performance Testing



## Safety models

- **L. monocytogenes** - Growth of *Listeria monocytogenes* in meat products
  - [Static temperature](#)
  - [Dynamic temperature](#)
- **C. botulinum** - Growth/no-growth of *C. botulinum* in meat products
- **ConFerm** - Predicting the reduction of pathogens during the production of fermented and matured sausages
- **Yersinia enterocolitica** - Reduction of *Yersinia enterocolitica* during production of salami
- **StaphTox predictor** - Staphylococcus enterotoxin formation and growth of *S. aureus*
- **F value calculator** - Predicting the increase in  $F_{121,1}$  – value necessary to obtain equivalent safety in canned meat, reduced in salt

## Growth of *Listeria monocytogenes* in meat products

Static Version 2.0 (October 2014)

### Recipe variables

Na-lactate in recipe  %  
 Na-acetate in recipe  %  
 Na-nitrite in recipe  ppm  
 pH in final product   
 NaCl in final product  %  
 Water in final product  %

Multiple

Product type  
 Whole muscle product ( $\leq 10\%$  fat)  
 Emulsified product ( $> 10\%$  fat)

### Storage variables

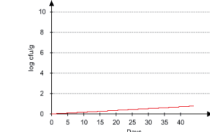
Added CO<sub>2</sub>  %  
 Temperature  °C  
 L. monocytogenes count at time zero (cfu/g)

Note

Update Add to history Print PDF Excel Help

Generated: 06 November 2016 03:23:38

### Growth curve



Doubling time 17.15 days


Max. growth rate for *L. monocytogenes* 0.0007 hour<sup>-1</sup>

### Calculated values for current growth curve

Listeria count after  days log cfu/g  
 Days until y log cfu/g  log cfu/g days

Calculate





References :

Taiwan Agriculture October 1989

United States Department of Agriculture October, 2018

Danish Meat Research Institute

DanBred

Skold

Nedap

Buttina

Danish Crown

Foss Meat Master II

Savco

Marel

## Data for pig herds with DanBred genetics

Herd number	Herd name	Country	Ranking	Crossbred - Litter index (LY and YL)	number of litters	All female indexes (LL)	number of animals	All female indexes (YY)	number of animals	Report	Herd info	Health	Breeding?
760	MUNKBRO II	DK	1	112.5	596	110.9	660	108	285	Report	Herd info	Health	Breeding
138	LYKKENSGAARD	DK	2	111.8	319	113.4	444			Report	Herd info	Health	Breeding
723	VESTER KJÆRGAARD	DK	3	111.6	117			116.3	242	Report	Herd info	Health	Breeding
188	FUGLSANG VEST	DK	4	111.2	454			112.8	1140	Report	Herd info	Health	Breeding
607	BORDING	DK	5	110.6	768	106.2	688	103.3	70	Report	Herd info	Health	
755	HÅSTRUPGÅRD II	DK	6	110.5	878	111.9	8	109.2	1027	Report	Herd info	Health	Breeding
803	KIRKETERP II	DK	7	109.9	289			116.2	479	Report	Herd info	Health	Breeding
912	MAALING II	DK	8	109.5	687	111.7	782			Report	Herd info	Health	Breeding
924	ESKEGAARD	DK	9	109.4	774	108.4	900	117.7	3	Report	Herd info	Health	Breeding
702	FENSTENGAARD	DK	10	109.2	343			102.3	350	Report	Herd info	Health	
86	ROSVANG OPFORMERING II	DK	11	109.2	867			107.4	1038	Report	Herd info	Health	Breeding
570	DALSGAARD	DK	12	109.2	1123	103.9	1509	91.1	101	Report	Herd info	Health	Breeding
472	BÆKLUND	DK	13	108.8	269	102.5	112	102.1	174	Report	Herd info	Health	
197	MJELSGÅRD I	DK	14	108.8	205	105.4	365			Report	Herd info	Health	Breeding
508	VOLSGAARD I	DK	15	108	588	106.9	673			Report	Herd info	Health	Breeding
383	LØGAGER	DK	16	107.8	293	96.4	273			Report	Herd info	Health	
915	DORTHEASMINDE	DK	17	107.3	704	98	432	98.7	362	Report	Herd info	Health	Breeding
838	HOLMSGÅRD	DK	18	107	372			101.1	396	Report	Herd info	Health	
634	NØRREDAL	DK	19	106.9	224	97.9	234			Report	Herd info	Health	
579	KIRKETERP	DK	20	106.5	413			99.2	439	Report	Herd info	Health	Breeding
907	HØNSNAPGÅRD	DK	21	106.4	397	100.1	500			Report	Herd info	Health	Breeding
921	MJELSGÅRD II	DK	22	106.2	445			91.5	427	Report	Herd info	Health	Breeding
668	TRØLLUNDGAARD	DK	23	106.1	616	98	75	97.6	587	Report	Herd info	Health	Breeding
957	KONGSTEDGÅRD	DK	24	105.8	393	98.7	420			Report	Herd info	Health	
298	GABØL NØRREGÅRD	DK	25	105.8	732	99.2	705			Report	Herd info	Health	
653	VOLSGAARD III	DK	26	105.7	326	95.3	356			Report	Herd info	Health	
528	ØRNDRUP HOVEDGÅRD	DK	27	105.7	670	95.5	278	96.3	437	Report	Herd info	Health	
478	RINGSTEDGÅRD	DK	28	105.5	239	97.4	259			Report	Herd info	Health	
895	LUNDEGÅRD II	DK	29	105.5	535			104.2	602	Report	Herd info	Health	Breeding
704	MUNKBRO III	DK	30	105.5	512	92.5	578			Report	Herd info	Health	Breeding
112	KONGESTENSGÅRD	DK	31	105.3	429	95.8	247	90.8	204	Report	Herd info	Health	
304	HVINDERUPGÅRD	DK	32	104.9	379	96	387			Report	Herd info	Health	
525	MOLSGÅRD II	DK	33	104.9	406	99.9	680			Report	Herd info	Health	Breeding
322	NYSØ	DK	34	104.7	550	95.2	494			Report	Herd	Health	Breeding

Herd number	Herd name	Country	Ranking	Crossbred - Litter index (LY and YL)	number of litters	All female indexes (LL)	number of animals	All female indexes (YY)	number of animals	Report	Herd info	Health	Breeding?
105	ASTRUP/ FUGLSANG	DK	35	104.4	214			102.3	554	Report	info Herd info	Health	Breeding
294	MONK II	DK	36	104.4	647	95	452	96.5	210	Report	Herd info	Health	
953	SKELBÆK	DK	37	104.4	654	91.9	676	117	3	Report	Herd info	Health	
532	SVALEHOLM	DK	38	103.9	305	94.1	293			Report	Herd info	Health	
558	FÅRTOFT ØSTERGÅRD	DK	39	103.8	522			96.5	518	Report	Herd info	Health	
242	EGELEDGÅRD	DK	40	103.7	373			94.3	379	Report	Herd info	Health	
253	MARIENBORG OPFORMERING I	DK	41	103.5	567			89.4	722	Report	Herd info	Health	
577	VESTSALLING OPFORMERING	DK	42	103.3	487	94.1	479			Report	Herd info	Health	
941	KVISTRUP	DK	43	103.3	279	96.1	261			Report	Herd info	Health	
913	LANGAGER	DK	44	103.2	211			86.8	214	Report	Herd info	Health	
599	ØSTER HALLUNDBÆK	DK	45	103.1	192	90.5	223			Report	Herd info	Health	
153	DØNNERUP OPFORMERING	DK	46	102.8	812	82.9	436	96.9	422	Report	Herd info	Health	Breeding
779	FUGDAL	DK	47	102.6	295			89.6	296	Report	Herd info	Health	
658	MARSLUNDSKOV	DK	48	102.6	1287	90.9	1353			Report	Herd info	Health	
246	THORSVIGGAARD	DK	49	102.5	527	90.7	593			Report	Herd info	Health	
465	TJØRNTVED	DK	50	102.4	769	92.8	995			Report	Herd info	Health	
581	BØGESMINDE	DK	51	102.4	559	93.2	411	90.1	154	Report	Herd info	Health	
236	VESTERLUND	DK	52	102.3	612	91.2	255	91.7	426	Report	Herd info	Health	
931	GRUBEGÅRD	DK	53	102.2	443			95.2	548	Report	Herd info	Health	Breeding
804	BREDLAND	DK	54	102.2	240			90.7	293	Report	Herd info	Health	
544	NYBORG	DK	55	102	536	91.8	534			Report	Herd info	Health	
539	TYLSTRUP	DK	56	102	542	91.2	508			Report	Herd info	Health	
805	SJØRUP	DK	57	101.8	437			90.4	516	Report	Herd info	Health	
515	HÆLBØGAARD	DK	58	101.6	422	87.4	303	83.8	273	Report	Herd info	Health	
231	STRANDAGERGÅRD OPFORMERING	DK	59	101.4	317	98.5	476			Report	Herd info	Health	Breeding
598	KROGSGAARD	DK	60	101.3	172	90.8	164			Report	Herd info	Health	
418	BJERNEGÅRD	DK	61	101.1	461			90.1	468	Report	Herd info	Health	
574	GRYDHOLT	DK	62	101.1	374	88	401			Report	Herd info	Health	
522	BRANDMOSEGÅRD	DK	63	100.7	269			105	700	Report	Herd info	Health	Breeding
923	SKOVHAVE	DK	64	100.5	565			92	637	Report	Herd info	Health	
664	MARSLUND	DK	65	100.4	685	87.8	679	78.4	29	Report	Herd info	Health	
257	TJØRNTVED II	DK	66	99.8	1601	86.9	1369			Report	Herd info	Health	
512	ØRGELGAARD	DK	67	98.9	736			85.1	790	Report	Herd info	Health	
503	ÅRUP ØSTERGÅRD	DK	68	98.3	390	80.1	435			Report	Herd info	Health	
245	FUGLSANG	DK	69	97.9	34	83.1	35			Report	Herd	Health	Breeding

## Data for pig herds with DanBred genetics

Herd number	Herd name	Country	Ranking	Crossbred - Litter index (LY and YL)	number of litters	All female indexes (LL)	number of animals	All female indexes (YY)	number of animals	Report	Herd info
106	ALOIS BOSCH	DE	1	94.9	312	80.8	270			Report	Herd info
482	FOKBEDRIJF KLEIN IKINK	NL	2	91.8	1158	73.3	1083			Report	Herd info
215	DE PIJLSTAART	NL	3	91.2	465			75.2	476	Report	Herd info
155	SOKOLOW	PL	4	90.9	1323	77.5	1350			Report	Herd info
52	BETRIEB VERHÜLSDONK	DE	5	90.6	57	67.7	122			Report	Herd info
397	DELTA AGRAR	RS	6	89.6	309	88	232	98.1	236	Report	Herd info
170	AGRARGENOSSENSCHAFT RACKITH	DE	7	89.3	755			72.7	847	Report	Herd info
399	GAEC BLOTTIERE	FR	8	89.1	201			78.4	194	Report	Herd info
164	JOSEPH VANDEN ABEELE	BE	9	89.1	291			68.6	441	Report	Herd info
461	GALINA - INVESTMENT LTD.	HU	10	88.7	1031	78.1	989			Report	Herd info
171	ZNVG MEYER ZU BROXTEN	DE	11	88.7	206	70.4	189			Report	Herd info
269	SZILFAS	HU	12	88.5	1430	76.6	1381			Report	Herd info
365	ZNVG - LANDGUT KARCHEEZ GBR	DE	13	88	344	69.6	298			Report	Herd info
339	PORKUSS BÜSSEN	DE	14	87.9	381	74.3	13	71	431	Report	Herd info
355	ZNVG - VOSS-HAGEN	DE	15	87.4	1865	70.2	1686			Report	Herd info
851	MTS. B and C LANGERWERF	NL	16	87.1	435			63.9	445	Report	Herd info
605	LV VANPETEGHEM	BE	17	86.7	274	98.3	15	59.5	244	Report	Herd info
244	EARL PLUCHON	FR	18	86.3	148	70.7	168			Report	Herd info
490	BURGGRAAF	NL	19	85.8	474			60.3	520	Report	Herd info
639	ILLNER KG	DE	20	84.3	270			64.3	315	Report	Herd info
277	SIA GAIZENI - GAUJASKALNI	LV	21	83.2	151	75.1	142	72.8	101	Report	Herd info
254	GUILLAUME VASSEUR	FR	22	83.1	117	66.2	125			Report	Herd info
149	SIAMAGROVET FARM III	TH	23	82.5	600			81.9	1024	Report	Herd info
763	BELLEMAKERS VOF	NL	24	81.9	173			49.3	204	Report	Herd info
148	SIAMAGROVET FARM II	TH	25	79.5	243	78.7	313			Report	Herd info
395	NAPREDAK A.D.	RS	26	79.4	316	71.1	162	73.6	197	Report	Herd info
509	EARL DU CLOS DE LA PIERRE	FR	27	78.8	258			60.9	311	Report	Herd info
137	EARL CHAMP DE FONTAINE	FR	28	77.7	213			59.8	228	Report	Herd info
546	SLENDERS - HAKKENS BVBA	BE	29	77.5	41			46.2	108	Report	Herd info
979	PIGLET OY	FI	30	76.2	332	60.2	387			Report	Herd info
715	VALE HENRIQUES MULTIPLIER	PT	31	75.2	63	104.5	2	42.9	85	Report	Herd info
117	FLISTAD	SE	32	73.3	123	59.5	104	51.6	43	Report	Herd info
361	IWADEYAMA GP FARM	JP	33	72.8	59	76.1	55	68.7	97	Report	Herd info
994	DAVID FULTON	GB	34	72.6	42			44.4	43	Report	Herd

Herd number	Herd name	Country	Ranking	Crossbred - Litter index (LY and YL)	number of litters	All female indexes (LL)	number of animals	All female indexes (YY)	number of animals	Report	Herd info
411	GALLIE	IE	35	71.9	103			52	125	Report	info Herd info
888	GPDAN	AR	36	71.6	132	74.8	145	66.1	360	Report	Herd info
722	MUNSALA	FI	37	70.8	54			46.6	60	Report	Herd info
157	IDUFARM	RS	38	70	159			58.3	177	Report	Herd info
344	DANYU PIG BREEDING IV	CN	39	62.5	1272	57.1	677	50.9	832	Report	Herd info
315	DANYU - SFPI MULTIPLY FARM I	CN	40	55.6	1532	42.5	641	17.6	432	Report	Herd info
372	IATROU-PAPAIOANNOU & SIA O.E.	GR	41	50.1	154	46.7	197			Report	Herd info
227	DMITROGORSKIY BECON	RU	42	46.4	68	74.5	165	31.8	504	Report	Herd info
213	RZHEVSKIY BECON	RU	43	37.9	185			44.8	900	Report	Herd info