

Organic pig production in Denmark

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Oslo, 24 October 2018

Danish Agriculture & Food Council



Organic farming and production in Denmark, 2017



Production

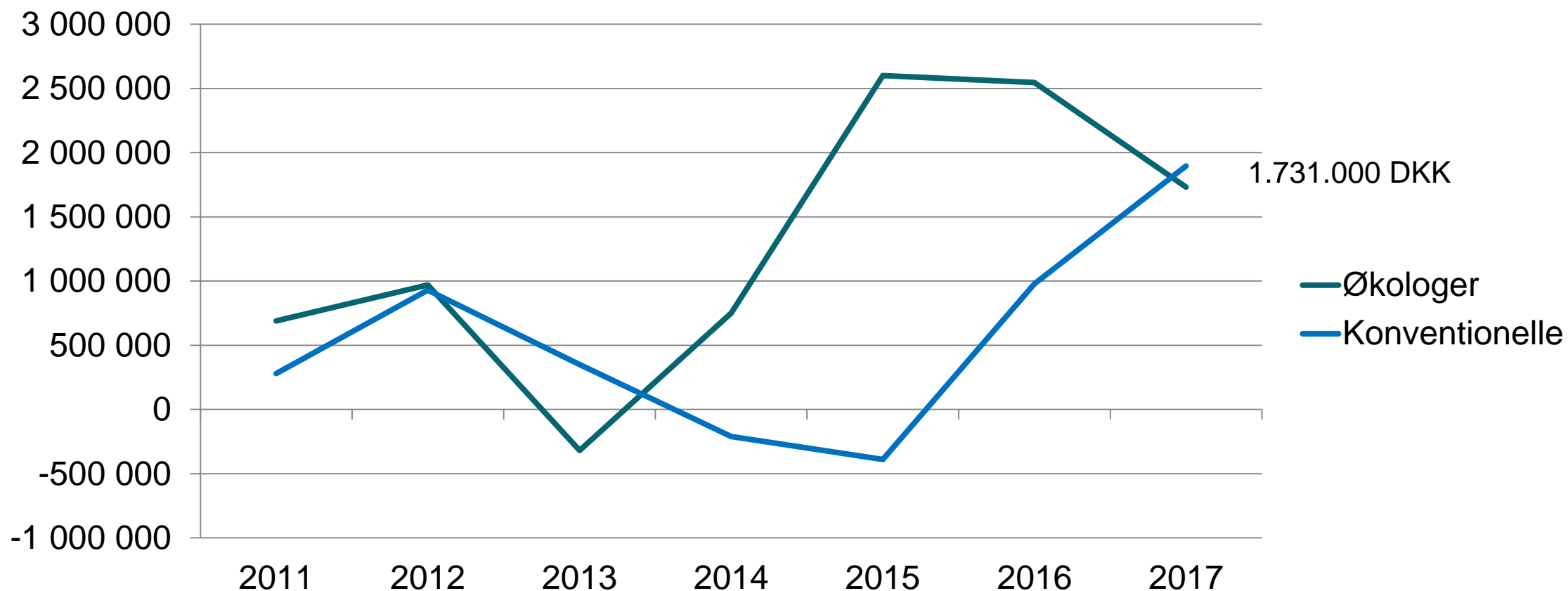
- 11% of all cow's milk production was organic – 575 million kg
- 1% of all pig production was organic – 175,000 pigs
- 0.8% of all broilers were organic – 1.3 million broilers
- 30% of all egg production was organic – 19.0 million kg
- 27% of all vegetables production was organic

Organic pig production

- In 2017 approx. 175,000 organic pigs were slaughtered – mainly at Friland abattoir
- The production is expected to increase by 15-20% over the next few years
- Sale in Danish retail food shops increased by 25% in 2016, but most meat is exported



Operating result for full-time pig producers

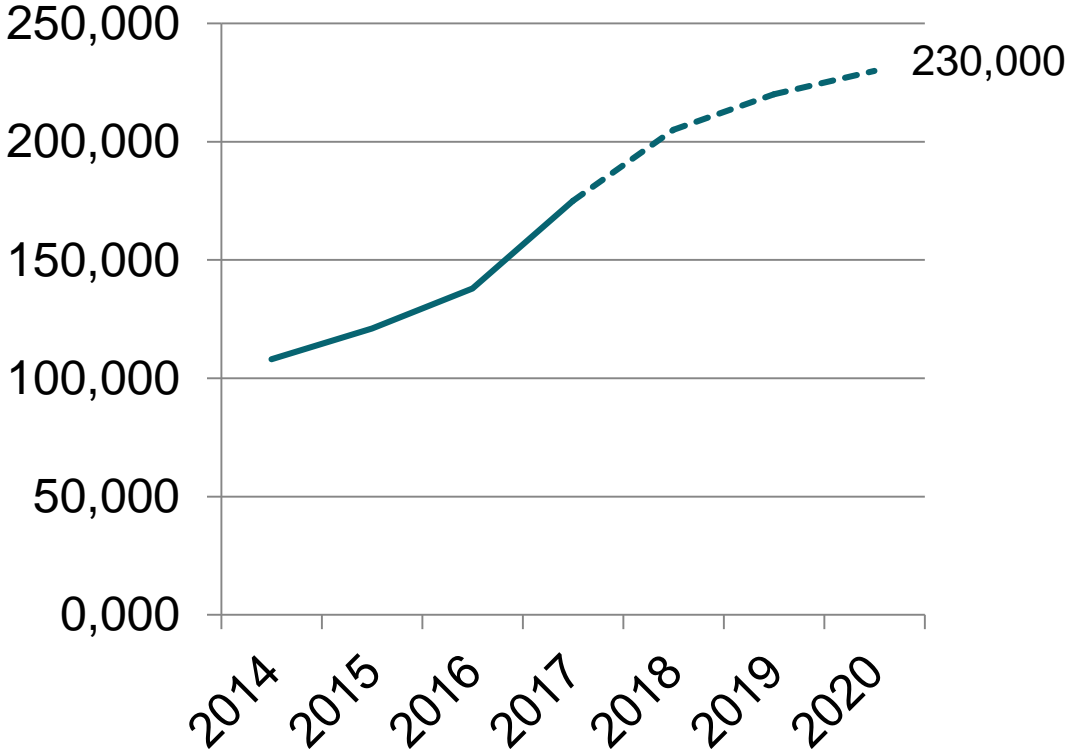


Source: SEGES



Expected development

Pork



Noget at leve af. Noget at leve for.





The Danish organic pigfarm

- Around 70 organic farmers have a significant income from pig production – 230 org. farms has registered pigs
- 10-1000 sows/holding, but a fair share with approx. 200 sows and production of 4600 finishers
- 12% of the producers counts for more than 75% of the production
- Largest producer deliver 25.000 finisher/year

Danish production rules

EU regulation with some national amendments:

- Sows and piglets are free range – 300m²/sow
- Shadow on the farrow field
- 7 week weaning period for piglets
- 100% organic feed
- Reduced time for transportation
- Mandatory health advise programs
- View from outdoor areas
- ..
- ..

Noget at leve af. Noget at leve for.

Source: Brancheanbefalinger
for økologiske grise der
opdrættes i Danmark





The sows are kept on free range, and in groups when they are in between piglets



Predators can be a problem; foxes and ravens in particular

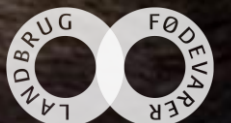




High mortality rate is mainly due to a high number of piglets/litter.

Focus on breeding,
- maternal behaviour, design of pig huts and management

Noget at leve af. Noget at leve for.



Breeding for a better organic pig with targeted goals



FÖRINGSMANUAL
TN70

Juni 2016 - versjon 1

Norsvin SA
Storhamargata 44
2317 Hamar
Telefon: 62 51 01 00
E-post: norsvin@norsvin.no



1. Drooping ears
2. Long, clean face
3. Long, clean neck
4. Big, even toes
5. Wide based from front to rear
6. Square, expressly muscled top
7. Seven prominent, functional teats on each side that are well spaced
8. Long side with good rib shape
9. Durably constructed frame
10. Long, deep muscular through all portions of the ham
11. Hind legs that set down square with a flexible hock



SENESTE NYT INDLAND UDLAND PENGE

MIDT- OG VESTJYLLAND

Økologiske svineproducenter skifter til ny type gris: Får færre, men større grise

60 procent af de økologiske svineproducenter har skiftet til den nye svin, der er mere robust og giver smågrisene bedre chancer for at overleve

AL
JE
RY

er Ris.
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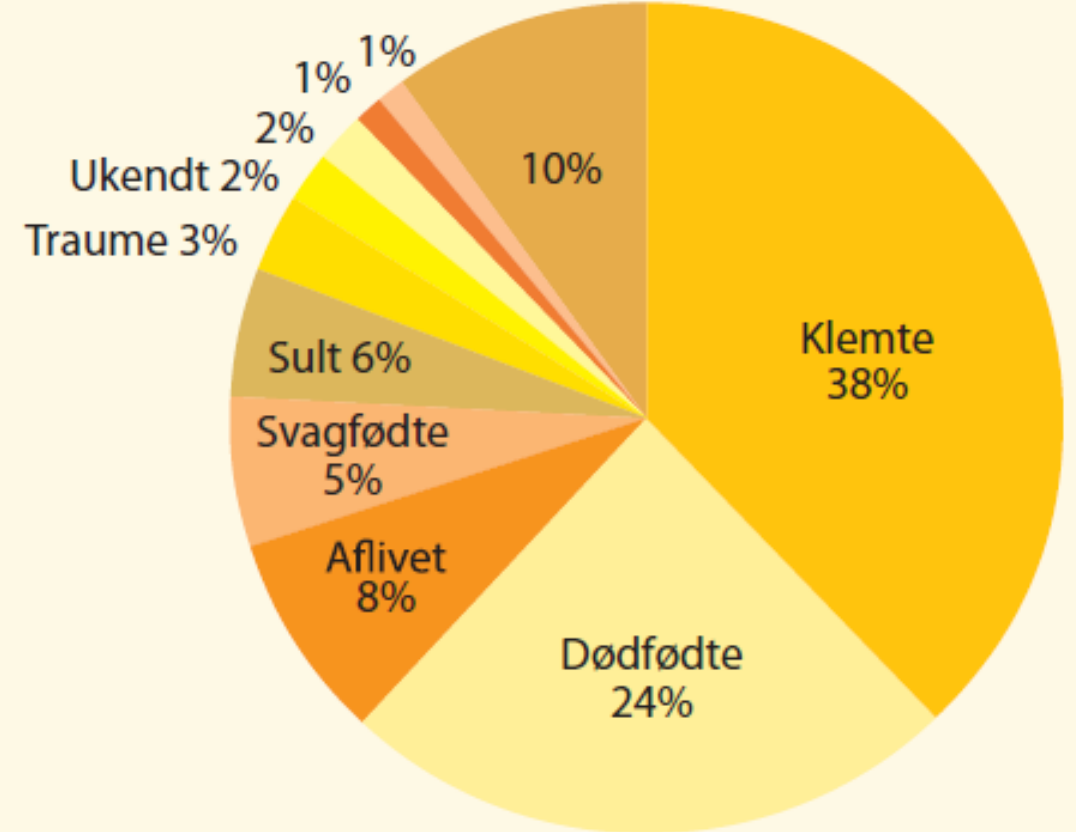


A photograph of a pig farm. In the foreground, a large, light-colored sow pig stands in a field of tall green grass. Behind her, a line of small piglets follows. In the background, there are several small, grey, A-frame structures, one of which has the number '26' on it. The sky is overcast with grey clouds.

Most sows have a ring in the nose due to environmental concerns

Research and development areas – sows and piglets

- **Post-weaning diarrhea – phasing out Zink**
 - Sea weed for Zink: <https://tangnu.dk/about/>
 - https://cordis.europa.eu/project/rcn/215946_en.html
- **Piglet mortality**
 - <http://icrofs.dk/forskning/dansk-forskning/organic-rdd-2/vipiglets/>
 - https://www.landbrugsinfo.dk/Oekologi/Svin/Produktionsstyring/Sider/Soen_og_pattegrisene_i_oekologisk_produk.aspx
- **Natural needs, health and roughage**
 - https://www.landbrugsinfo.dk/Oekologi/Svin/Foder/Sider/5752_tos_Groft_er_godt.aspx
- **End of castration?** For now local anesthetic and pain relief
Noget at leve af. Noget at leve for.



Production of finishers

How do we combine the best environmental practice with the higher animal welfare?







Research and development areas – finishers

- **Attractive outdoor areas**
 - pECOSYSTEM:
<http://agro.au.dk/forskning/projekter/pecosystem/>
- **And indoor areas**



Noget at leve af. Noget at leve for.

Prevalence of lesions recorded during meat inspections in 2012/2013 in organic/free-range (N=201,160) and conventional raised finishing pigs, (N=1,173,213)

(Alban et al., *Porcine Health Management* 2015, 1:4)

- Parasites
- Eczema/insect bites
- Chronic pleuritis
- Tail biting

Noget at leve af. Noget at leve for.

Lesion type	Prevalence (%)		Odds Ratio	P-value for comparison
	Organic/free-range	Conventional		
HIGHER RISK*				
Healed rib fracture	0.73	0.19	3.8	<0.0001
Eczema/insect bite	2.41	0.73	3.4	<0.0001
Tail lesion – local	2.37	0.76	3.2	<0.0001
Chronic infectious arthritis	0.87	0.27	3.2	<0.0001
Milk spotted liver	2.60	0.90	3.0	<0.0001
Old fracture	0.20	0.09	2.2	<0.0001
Osteomyelitis	0.34	0.16	2.1	<0.0001
Tail lesion/tail infection	0.18	0.09	2.0	<0.0001
Skin corrosion	0.10	0.06	1.8	<0.0001
Abscess in mid-part	0.47	0.30	1.6	<0.0001
Abscess in hind part	1.30	0.82	1.6	<0.0001
Chronic peritonitis	1.11	0.74	1.5	<0.0001
Chronic pericarditis	1.67	1.32	1.3	<0.0001
EQUAL RISK*				
Chronic pneumonia	0.35	0.30	1.2	0.0006
Abscess in head and ear	1.81	1.90	0.9	0.0039
Fresh fracture	0.13	0.17	0.8	<0.0001
Chronic pleuritis	19.06	23.94	0.8	<0.0001
LOWER RISK*				
Abscess in leg/toe	0.74	1.03	0.7	<0.0001
Hernia	0.93	1.36	0.7	<0.0001
Pyemia	0.01	0.02	0.5	0.0007
Scar/hock lesion	1.47	3.41	0.4	<0.0001

New report on challenges in organic pig production – DCA Rapport nr. 128, august 2018

- Respiratory diseases like pleuritis (15-40%) and coughing must have more attention – the effect of dust and humidity
- Tail biting is a larger problem at some producers

Haletilstand	Fravænningsgrise 10-20 kg (N=1688 i 10 besætninger)	Ungsvin 25-50 kg (N=1606 i 12 besætninger)	Slagtesvin 70-100 kg (N=3215 i 20 besætninger)
Normal	93% [62%; 100%]	86% [49%; 100%]	70% [27%; 100%]
Let skade	1% [0%; 5%]	3% [0%; 19%]	12% [0%; 30%]
Medium skade	3% [0%; 22%]	4% [0%; 20%]	9% [0%; 36%]
Svær skade	2% [0%; 13%]	7% [0%; 25%]	8% [0%; 39%]
Totalt unormale	7% [0%; 38%]	14% [0%; 51%]	30% [0%; 73%]

Noget at leve af. Noget at leve for.

SYGDOMSPROBLEMER HOS ØKOLOGISKE GRISE OG FRILANDSGRISE

- FOREKOMST OG ÅRSAGSSAMMENHÆNGE

HANNE KONGSTED, LESLIE FOLDAGER OG JAN TIND SØRENSEN

DCA RAPPORTNR. 128 · AUGUST 2018

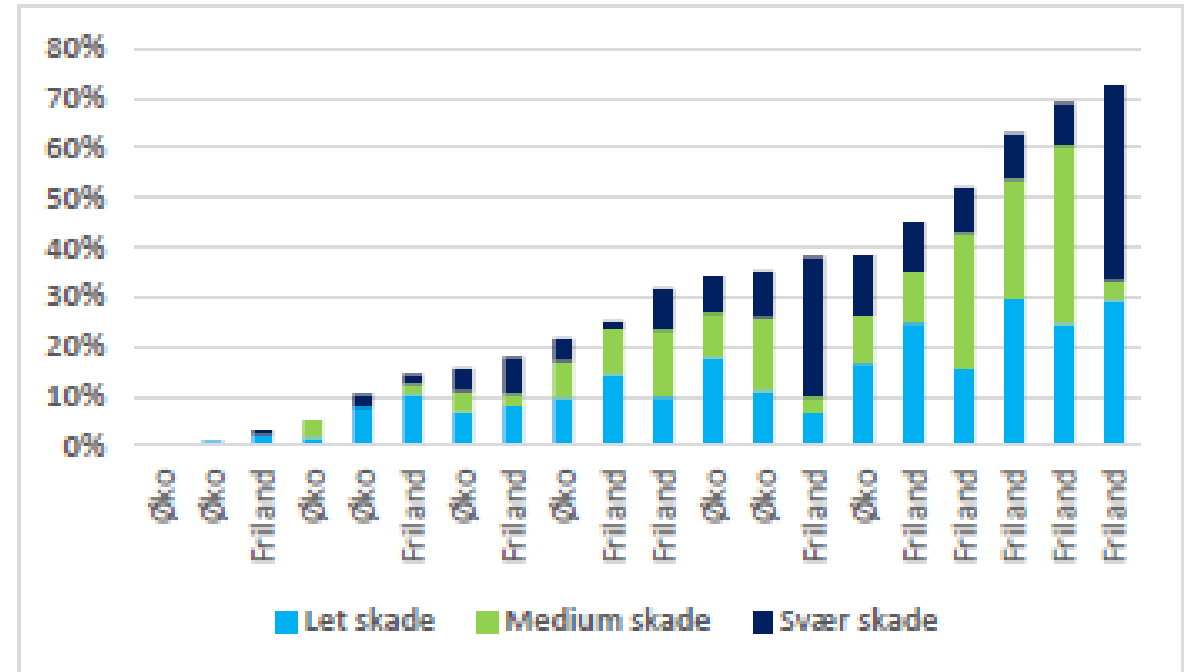


AARHUS
UNIVERSITET
DCA - NATIONALT CENTER FOR FØDEVARER OG JORDBRUG



What trigger tail biting, according to – DCA Rapport nr. 128, august 2018

- Free range conventional vs organic (weaning period 5/7?)
- Stocking density in weaning period
- Feeding facilities in weaning period
- Amount of water nipples (25-50 kg)
- Farmers includes "draft" and "shifting temperatures" as parameters to catalyse tail biting



Tail biting (3 levels) on 70-100 kg pigs at farm level.

Research and development in close collaboration



ØKOLOGISK
landsforening

ICROFS
Internationalt Center for Forskning
i Økologisk Jordbrug og Fødevarer

SEGES

Byggeri Energi Fjerkræ Får Heste IT Jura Kvæg Ledelse Maskiner Miljø Planteavl Rådgivning Svin Tværfagligt Økologi Økonomi

Søg



UDVIKLINGS-CENTER FOR
HUSDYR
PÅ FRILAND

Forside

projekter

Hangrise

Publikationer

Arrangementer

Film

Partnere

Kontakt

Om

Org

Be

Ge

St

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Fin

Bliv

Kon

Job

Lej

SEGES
Svineproduktion

ÅRSMØDE & SY
- TILMELD DIG

SEGES Svineproduktion inviterer til Årsmøde & Syntese
Husk at tilmelde dig før d. 5. oktober,

TILMELD DIG

Økologi

Bioteknik

Bæredygtighed - økologi

Dyrevelfærd - økologi

Fjerkræ - økologi

GMO

Græsrodsforskning

Klima

Konsulenter

Kvæg - økologi

Markedet for afgrøder

Omlægning til økologisk drift

Planteavl - økologi

Produktionsøkonomi

Proteinforsyning til husdyr

Regler for tilskud

Regler for økologisk produktion

Samarbejde mellem bedrifter

Sundhedsrådgivning

Svin

Arealkrav og miljø

Avl

Du er her: LandbrugsInfo > Økologi > Svin > Svinehåndbog - nyttig viden om økologisk svineproduktion

Oprettet: 12-11-2010
Revideret: 18-05-2017



Tilmeld nyhedsbrev

Forfatter

Økologi



Landskonsulent
Tove Serup
Økologi Innovation
tos@seg.es.dk

Af samme forfatter

Groft er godt
24.09.18

Faremarksmanualen for schold på
friland med tilhørende 16 faktaark
08.06.18

Uddrag af regler vedr. afstandskrav for
folde og hytter til grise
24.05.18

Sammenlægning af EU regler fra
Vejledning 2018
06.04.18

Regler for økologisk svinehold
20.12.17

Vis alle

Svinehåndbog - nyttig viden om økologisk svineproduktion

Her er samlet faglitteratur målrettet økologisk svineproduktion, men størstedelen af stoffet er også relevant for konventionelle frilandsproducenter.



Der er tale om en database med samling af eksisterende viden skrevet af forskellige forfattere gennem de sidste ca. 10 år. Derfor er sprog og layout forskellig fra dokument til dokument.

Artiklerne opdateres løbende og nye artikler markeres med **NY**

Hensigten er, at give læseren et godt overblik over den specielle produktionsgren og de spørgsmål, der opstår i forbindelse med etableringen og drift af den.

Videncenteret vil løbende blive udbygget og ajourført – i det omfang, der fremover kan skaffes ressourcer til det. Afsnittet om regler har i den forbindelse højeste prioritet, men i tilfælde af detaljerede spørgsmål, henvises altid til pågældende myndighed.

Spørgsmål og kommentarer er altid velkomne til Tove Serup, M 2124 2611, E tos@vfl.dk

Der rettes hermed en tak til alle involverede som har bidraget med viden fra deres daglige virke. Arbejdet er gennemført med støtte fra Videncenter for Svineproduktion.



Noget at leve af

NYHEDER

15. OKTOBER 2018

