17 Jan 2017

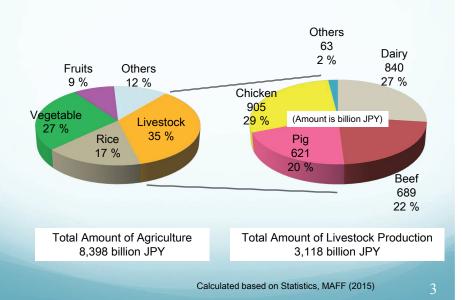
Japanese Dairy Farming

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The Gross Production Amount of Agriculture of Japan



Japanese Dairy Farming

Situation of Japanese Dairy Farm

- Dairy Farm and Dairy Cattle in Japan
- Dairy Products in Japan

Genetic Improvement and Dairy Performance Test

- Genetic Improvement System in Japan
- Dairy Herd Performance Test

Feed Resources and TMR Center

- Situation of Feed Resources in Japan
- TMR Centers and their role



2

Breeds of Dairy Cow in Japan



Holstein (Bull)



Holstein (Cow) 99% of Dairy Cow in Japan is Holstein



Jersey Around 10,000

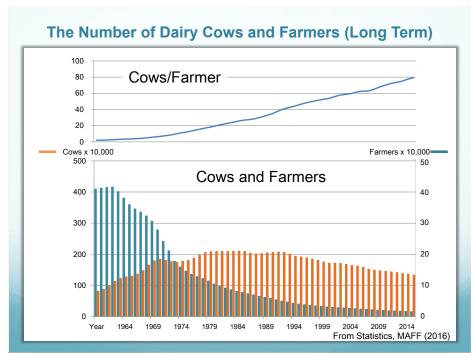


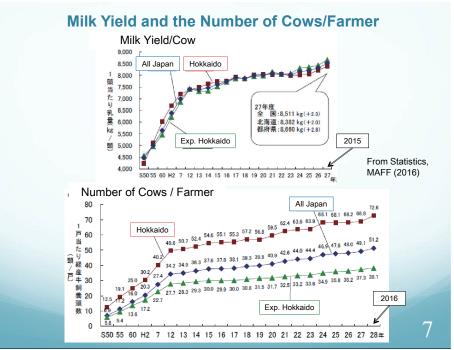
Brown Swiss Around 1,000

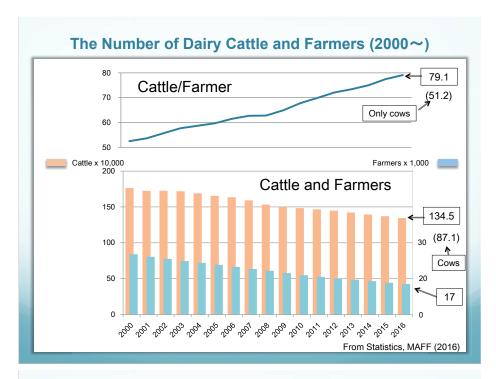


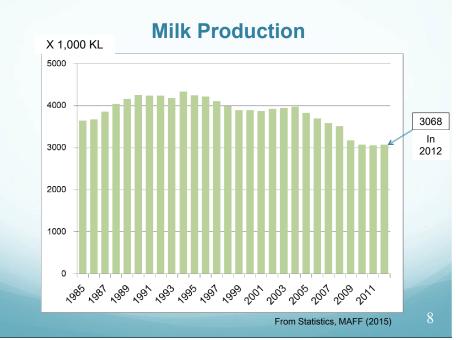
Guernsey Less than 1,000

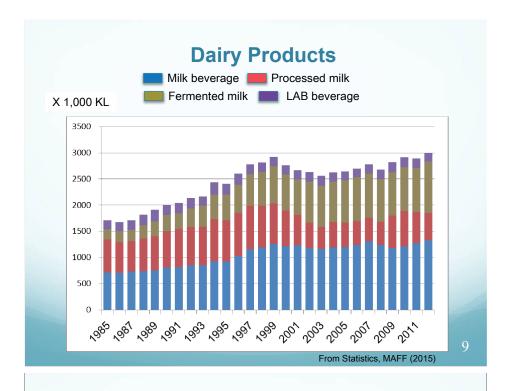
Photos from NBAFA and JLIA











National Livestock Breeding Center

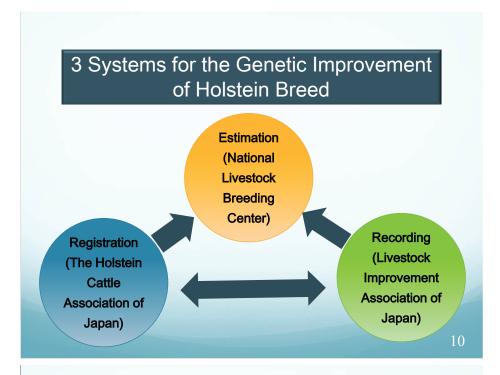
1872 Established as a horse stock farm.

1946 Reconstructed as a breeding stock farm.

1969 Progeny test by using the stations of National Livestock Breeding Center (NLBC) was started.

1974 Genetic evaluation of young sires were started.

1989 Genetic evaluation of sires began to use the herd performance test data (field data) which collected from 1974.



The Holstein Cattle Association of Japan

1889 First breeding stock of Holstein was imported from USA and etc.

1911 Establishment of <u>The Holstein Cattle Association of</u> Japan.

Pedigree registration

Milk recording on farm was started (currently not doing).

1929 Judging of body was started.

In present Japan, Over 99% of dairy cattle is Holstein breed.

59

Livestock Improvement Association of Japan

1950 The 500 AI center were established to distribute the liquid semen.

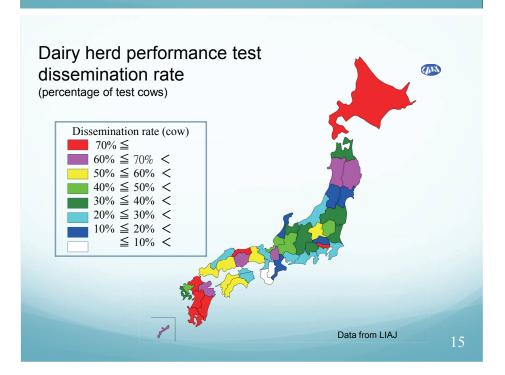
1958 The AI center were merged to 50 places for frozen semen.

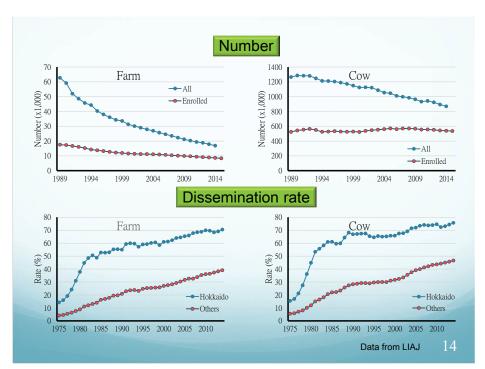
1965 <u>Livestock Improvement Association of Japan</u> (LIAJ) was established as the main AI center.

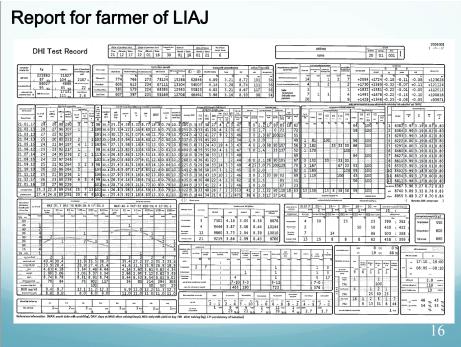
1971 LIAJ started progeny test.

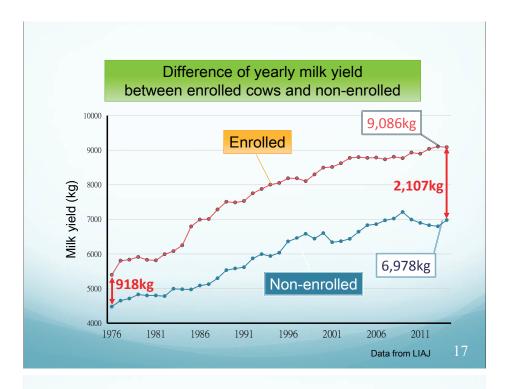
1974 LIAJ started herd performance test.

3

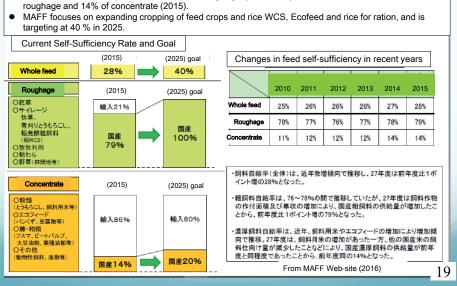


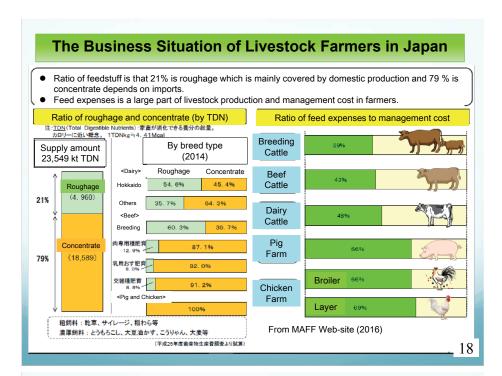


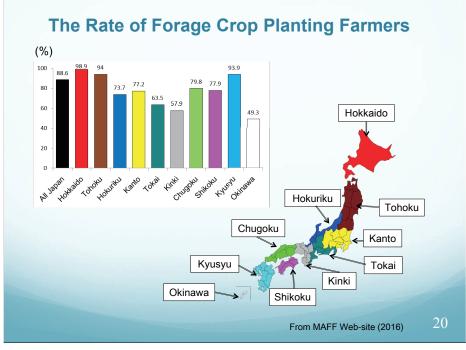




Current Self-Sufficiency Rate and Goal of Feed The feed self-sufficiency rate has been increasing slightly in recent years, with a total of 28%, 79% of







The Rate of Grazing Dairy Cows 100 (%) 62.9 Hokkaido 29.5

Chugoku

80

60

40

PIT 7868 TOKAGO LOWAN TOKNIKA TSUG LOKO, KINA LINADAN

Tokai Kinki Shikoku From MAFF Web-site (2016)

From MAFF Web-site (2016)

Tohoku

Kanto

Hokuriku

Establishment and Promotion of TMR Center

Kyusyu

○ 飼養規模の拡大や飼料調製にかかる労働力不足を背景に、近年、飼料調製を外部化する仕組みとしてTMRセン ターの設立が加速。平成15年の32組織から平成27年には129組織に増加

○ 成分分析に基づく、良質混合飼料の通年供給により、畜産農家の飼料調製にかかる労働力の軽減や乳量増加が 期待される。また、飼料の生産・調製にかかる高度な知識等が不用となるため、新規就農者の参入も容易。 ○ TMRセンターの施設整備等への支援により、労働力不足への対応や国産粗飼料の生産・供給体制の構築を推進。 TMRセンター組織数の推移、地域別組織数 供給先農家の経営 〇コントラクターの組織数は、平成27年には129組織に増加。 OTMRセンターの9割以上が酪農に供給。都府県では北海道 北海道で約半数を占める。 と比較し、肉用牛に供給するTMRセンターの割合が高い。 全国 110 129 ■北海道 60 ■都府県 うち北海道 65 40 20 肉用牛 肉用牛 肉用牛 乳肉複合 11 (一貫) (繁殖) (肥育) ■関東 ■近畿 ■中四国 ■九州 注)回答数:96箇所(北海道44、都府県52)、複数回答あり 【27年度補正】畜産·酪農収益力強化整備等特別対策事業 TMRセンターの施設・機械 畜産クラスター計画に位置づけられた地域の中心的な経営体(飼料生 産受託組織等)が自給飼料の増産や品質の向上等を図るために必要 な機械のリース整備、施設整備等を支援。 (補助率:1/2以内) 【28年度】強い農業づくり交付金 国産粗飼料や飼料用米の保管・調製・供給施設の整備等を支援。

(補助率:1/2以内)

