

Compound feed

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Korea: Compound feed production reaches record

한국의 2020/21 배합사료 생산 예상량은 전 축종의 사육 마릿수의 증가로 인해 2,120만 톤 을 기록할 것으로 예상되었다.



2020/21 사료용 옥수수 소비량은 총 970만 톤 으로 예상된다.

Photo: aleksandarlittlewolf

한국 정부 지원사업 - 밀

2019년 밀 생산량은 총 15,024톤 이었다. 2020년은 정부 지원 프로그램의 영향으로 밀 재배 면적이 전년 대비 40% 증가하였고, 밀 생산량은 16,800톤에 달할 것으로 보인다.

2020/21년 밀 사용량은 360만 톤이며 이 중, 사료용 밀 사용은 130만 톤에 그칠 것으로 예상된다. (단가가 낮은 옥수수 영향)

2019/20년, 한국의 사료용 밀 수입량은 120만 톤 이었으며, 우크라이나에서 가장 많은 밀을 수입했다(41만 톤). ※ 루마니아(32만 톤), 불가리아(29만 톤), 캐나다(12만 톤), 미국(6만 톤)

사료용 옥수수 약 1,000만 톤 사용

2019년 옥수수 생산량은 총 76,336톤 이고, 이는 전년 대비 2.1% 감소한 수치이다.

2020/21년 옥수수 사용량은 1,200만 톤에 달할 것으로 예상되며 이 중 970만 톤이 사료용으로 사용되고, 230만 톤이 식품, 산업용으로 사용될 것으로 보인다.

2019/20년 옥수수 사용량은 1,180만 톤 으로 추정된다 – 950만 톤 사료용, 230만 톤 식품 및 산업용(FSI). 사료용 옥수수 사용량은 사료용 밀 생산과 국내 쌀 생산의 저조로 인하여 물량이 증가하였다.

Feed ingredients used for compound feed in Korea (Oct/Sept, 1,000 mt)				
	MY 2017/18	MY2018/19	MY 2019/20	MY 2020/21*
Grains and grain substitutes	12,474	12,976	13,481	13,700
Wheat	1,546	1,168	1,209	1,300
Corn	7,564	8,557	9,502	9,700
Brown rice	702	568	113	0
Other grains and substitutes**	2,662	2,683	2,657	2,700
Others***	7,117	7,496	7,523	7,500
TOTAL	19,591	20,472	21,004	21,200

* FAS Seoul forecast
 ** Includes tapioca, brans, gluten feed
 *** Includes vegetable protein meal, animal protein, minerals/additives, tallow, DDGS and molasses

배합사료 생산량 2천만 톤 초과

2020/21년 배합사료 생산량은 2,120만 톤으로 예상된다. 이러한 수치는 전 축종의 견고한 사육 마릿수 증가에서 기인하는 것으로 분석되었다.

옥수수는 가축 사료의 주된 원료로 사용되며, 올해 사용된 총 사료 원료의 46% 이상 (970만 톤)을 차지하는 것으로 추정되었다. 사료용 밀은 약 130만 톤이 사용된다.

가축 사육 마릿수의 증가

2019/20년 배합사료 생산량은 전년 대비 약 2.6%가 증가한 2,100만 톤으로 추정되며, 이러한 증가는 전 축종별 사육두수의 안정적인 성장에서 기인한다고 볼 수 있다.

사육 마릿 수는 축종별로 양계 1.5%, 축우 2.8%, 양돈 2.3% 가 각각 증가하였다.

Korea: Compound feed production by species use (Oct/Sept, 1,000 mt)				
	MY 2017/18	MY 2018/19	MY 2019/20	MY 2020/21*
Poultry	5,906	6,159	6,300	6,400
Swine	6,461	6,784	6,950	7,000
Cattle	5,719	5,961	6,200	6,300
Other**	1,456	1,511	1,550	1,500
Sub-total	19,542	20,415	21,000	21,200
Aquaculture	152	161	150	150
Milk substitute	52	49	50	50
TOTAL	19,746	20,625	21,200	21,400

Source: Ministry for Agriculture, Food and Rural Affairs
 * FAS Seoul forecast
 ** Include ducks, rabbit, horse, sheep, deer, quail, etc.

2020/21년 옥수수 수입량은 (국내 축종 마릿수 증가, 제한된 밀, 쌀 가용량 등을 감안했을때) 약 1,200만 톤으로 예상되며 이 중, 970만 톤은 사료용, 230만 톤은 식품 가공에 사용될 것으로 보인다.

2019/20 옥수수 수입량은 1,190만 톤으로 전년대비 10% 증가한 수준을 기록했다.

- 주요 옥수수 수입국가 : 미국(24%), 아르헨티나, 브라질, 우크라이나

사료용 벼(쌀) 생산 급격 감소

통계청은 2020년 쌀 생산량이 작년보다 3% 감소한 363만 톤이 될 것이라고 발표했다.

이는 재배 면적 감소 및 기상 악화로 인한 쌀 수확량 감소에 기인한다.

2020년 1월부터 한국 정부가 묵은쌀(old rice)을 가축 사료에 사용하는 것을 금지하면서 2019/20년 첫 10개월 간은, 국내 사료 회사에서 단 76,776톤의 현미만을 사용하였으며 이는 전년 대비 83%가 감소한 수치이다.

농림축산식품부는 쌀 재고를 줄이기 위해 2015/16년 부터 사료용으로 쌀이 사용되도록 장려하였다. 정부구매제도 하에, 사료용 쌀의 가격은 추수가격의 10분의 1 수준으로 책정되었고, 사료용 옥수수 가격의 92~93% 수준으로 책정되었다.

지난 5년간 사료용 쌀의 누적 사용량은 182만 톤으로 국내산 쌀이 179만 톤, 수입산이 30,662톤 사용되었다.

원문 : <https://www.allaboutfeed.net/Compound-Feed/Articles/2020/12/>

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Korea's 2020/21 compound feed production forecast reaches a record volume of 21.2 million mt driven by strong growth in all animal inventories

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Government support programmes for wheat

Wheat production in MY 2019 totalled 15,024 mt. For MY 2020, farmers increased planting area to benefit from government support programmes resulting in a 40% increase in wheat area planted, with total production estimated at 16,800 mt.

MY 2020/21 wheat consumption is 3.6 million mt with feed-grade wheat consumption expected to remain close to 1.3 million mt due to relatively lower corn prices. Meanwhile, wheat imports are forecast at 4 million mt of which 1.3 million mt will be for animal feed. This import estimate hinges, to a large extent, on the continued availability of competitively priced feed wheat.

In MY 2019/20, Korea imported 1.2 million mt of feed-grade wheat. Ukraine was the largest supplier (414,627 mt), followed by Romania (321,169 mt), Bulgaria (288,958 mt), Canada (115,976 mt) and the US (63,696 mt).



A total of 9.7 million mt of the 2020/21 corn consumption is for feed. Photo: aleksandarlittlewolf

Nearly 10 million mt corn for feed

Corn production in MY 2019 is anticipated at 76,336 mt, which is 2.1% lower than a year earlier, reflecting reduced acreage. MY 2020/21 corn consumption forecast is 12 million mt, 9.7 million mt of which is for feed purposes and 2.3 million mt for food, seed, and industrial (FSI) purposes.

Corn consumption for 2019/20 is estimated at 11.8 million mt – 9.5 million mt for feed and 2.3 million mt for food, seed, and industrial (FSI) purposes. Feed corn consumption has been increasing to replace the lack of supply of feed-grade wheat and domestic rice for feed.

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Compound feed exceeds 20 million

The 2020/21 compound feed production forecast is 21.2 million mt. This record volume is driven by solid growth in all animal inventories. High animal inventory levels depend on the absence of any major pandemic diseases such as **Avian Influenza** and African Swine Fever (ASF) this year.

Feed corn is expected to be the major ingredient used in compound feed, accounting for more than 46% of total ingredients this year, or 9.7 million mt, with feed wheat remaining at 1.3 million mt, or 6%.

MY 2019/20 compound feed production is estimated to have expanded 2.6% over the previous year to reach a record of about 21 million mt based on actual compound feed production for the first 11 months last year. This increase reflects a constant growth of inventories across all animal sectors from the previous year, as poultry numbers grew 1.5%, cattle numbers 2.8%, and swine numbers 2.3%, despite an outbreak of ASF in October 2020 in domestic swine.

Increasing number of livestock

The 2020/21 corn import forecast is 12 million mt, consisting of 9.7 million mt of feed corn for compound feed, and 2.3 million mt of processing corn for food processing, due to rising animal inventories and limited availability of competing feed grade wheat and domestic rice for feed.

Total corn imports in 2019/20 are revised to 11.9 million mt, up 10% from the previous year, to meet greater demand for feed corn to offset a limited supply of competitively priced feed wheat and a dwindling rice supply.

US market share is estimated to decrease to 22% of total corn imports from 41% in the previous year. US feed corn exports to Korea were 2.2 million mt, accounting for 24% of total imports of feed-grade corn, followed by Argentina, Brazil, and Ukraine.

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Sharp decrease in rice for feed

Statistics Korea released the 2020 rice production estimate at 3.63 million mt, down 3% from the previous year due to lower production area and reduced yields due to unfavourable weather. Effective from January 2020, the Korean government stopped distributing old rice for animal feed and, as a result, for the first 10 months in MY 2019/20, Korean feed millers consumed only 76,776 mt of brown rice for animal feed (69,098 mt, milled), down 83% from the same period of the previous marketing year. Total feed consumption is expected to reach about 70,000 mt (milled).

To reduce high ending stocks, the Korean Ministry of Agriculture, Food and Rural Affairs had released rice to be used as feed since MY 2015/16. The released price was a tenth of the purchasing price in the harvest season under the government purchasing programme, which was annually set at 92-93% of the value of feed corn imported in the previous marketing year. For the past 5 years (MY2015-MY2019), cumulative brown rice consumption for animal feed reached 1.82 million mt, consisting of 1.79 million mt of domestic rice and 30,662 mt of imported rice.

The information in this article has been extracted from a [USDA report](#) prepared by Sun-chul Choi.



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