



U.S. SOY

# U.S. Non-GMO Study & Specialty U.S. Soy Database Update

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SUSTAINABLE  
 U.S. SOY

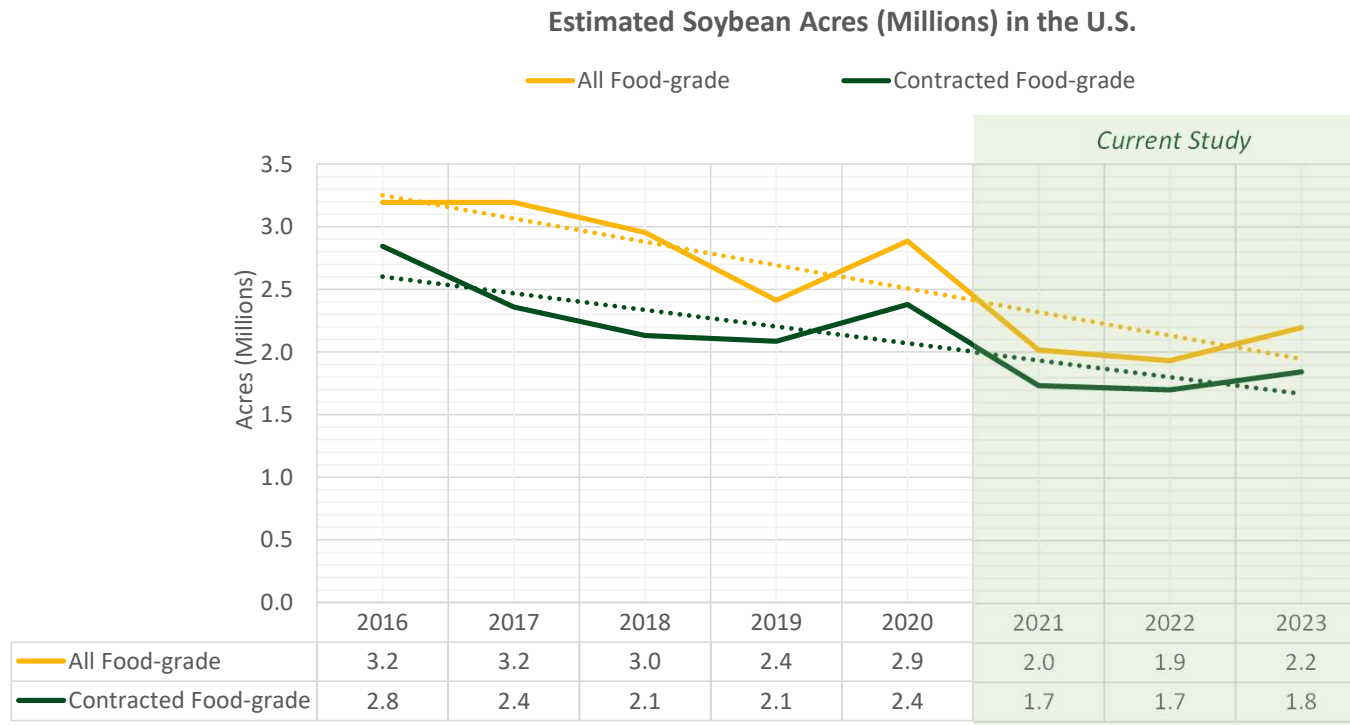


# Non-GMO Acreage Study



## Estimate of Contracted Non-GMO Food-grade Soybean Acres in the U.S.

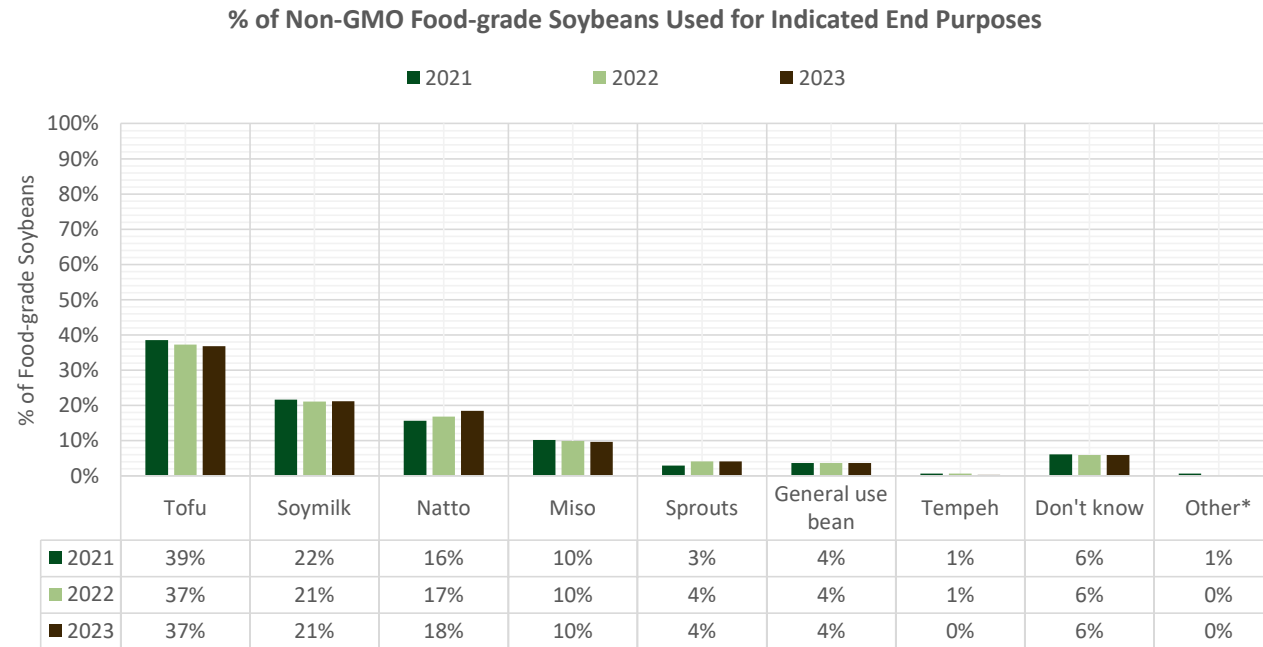
- Roughly 80% to 85% of growers' **non-GMO food-grade soybeans are produced under contract** each year. For 2022, growers reported 88% of the non-GMO food-grade acres were produced under contract. This translates to about **1.7 million acres in 2022**.





## End-Purpose for Non-GMO Food-grade Soybeans (Unweighted)

- Most U.S. produced non-GMO food-grade soybeans are destined to be used for tofu (37%) and soymilk (21%). Results, although directional, show an upward trend for natto.



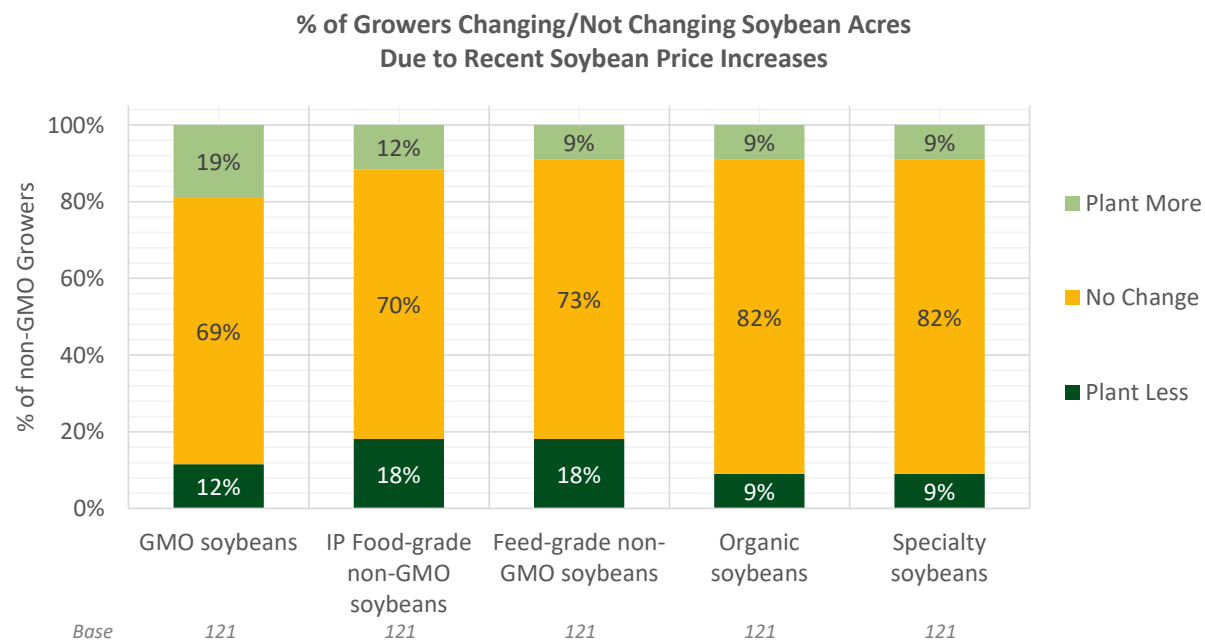
Bases=17.

Source (2022 study): What percent (%) of the FOOD-GRADE IP NON-GMO soybeans purchased by your company are used for the following end-purposes?



## Impact of Soybean Prices on Growers' Planting Intentions

- Results in the chart below suggest current commodity prices will negatively impact IP non-GMO soybean acres. While most growers will not change their current IP non-GMO acreage, more growers who are changing are likely to decrease rather than increase IP non-GMO acreage. Results suggest the reduction in IP non-GMO acres will be offset by more GMO soybean production. Given the precipitous increase in soybean commodity prices, many non-GMO growers have already begun to plant fewer food-grade acres.

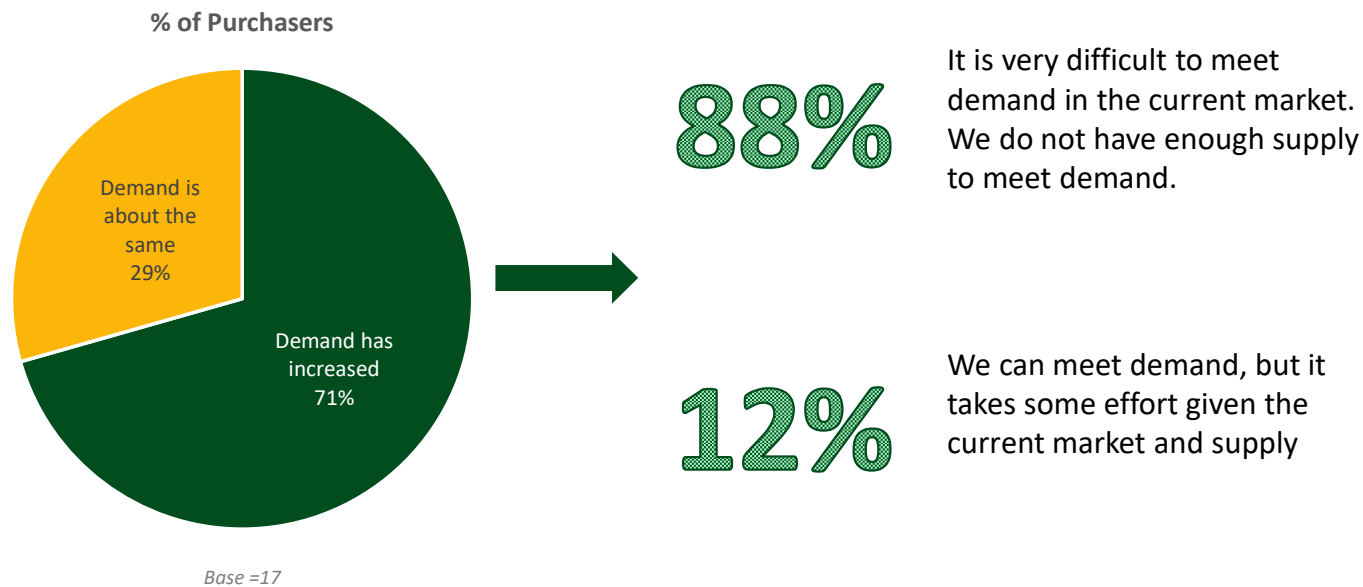


Source (2022 study): What, if any, impact has the recent increase in soybean prices had on your decision to plant the following types of soybeans?



## Demand and Supply for Non-GMO Food-grade Soybeans

- Purchasers agree that demand for non-GMO food-grade soybeans has increased (71% of purchasers) and is outpacing supply, as one exporter explains, *“All markets are showing growth due to increased demand for retail products and poor supply.”* Another retailer concurs, *“We've seen an increase in demand, but I think it's due to displacement from other companies also having trouble sourcing.”*

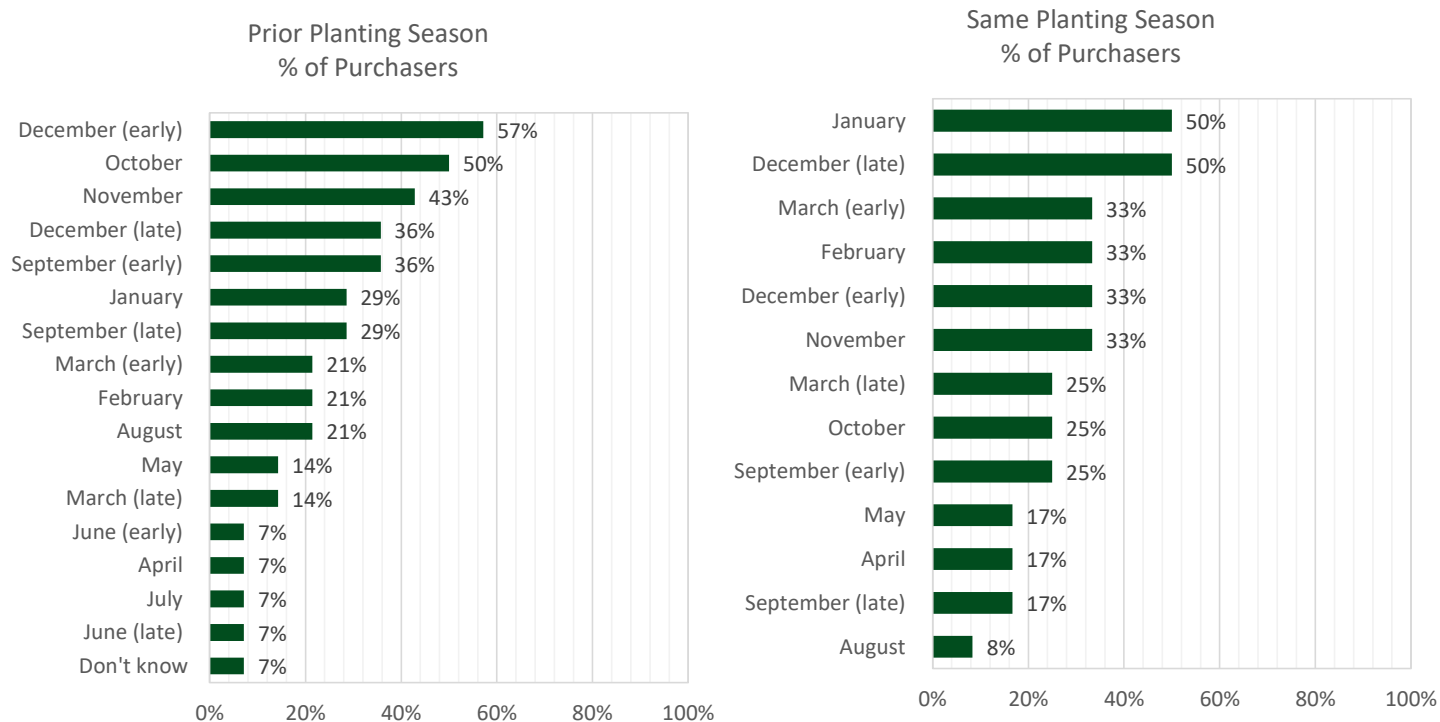


Source (2022 study): So we may better understand trends in the food-grade soybean market, how would you describe upstream demand for IP NON-GMO FOOD-GRADE soybeans in the past few years? You mentioned demand for NON-GMO FOOD-GRADE SOYBEANS has increased. What markets are showing growth?



## When Non-GMO Food-grade Soybean Purchase Decisions Are Made

- Most purchasers report making decisions about contracting for food-grade soybeans in in October to December, following harvest in the prior season and prior to planting for the same season. By late December, most decisions about contracting non-GMO food-grade soybeans have been made.

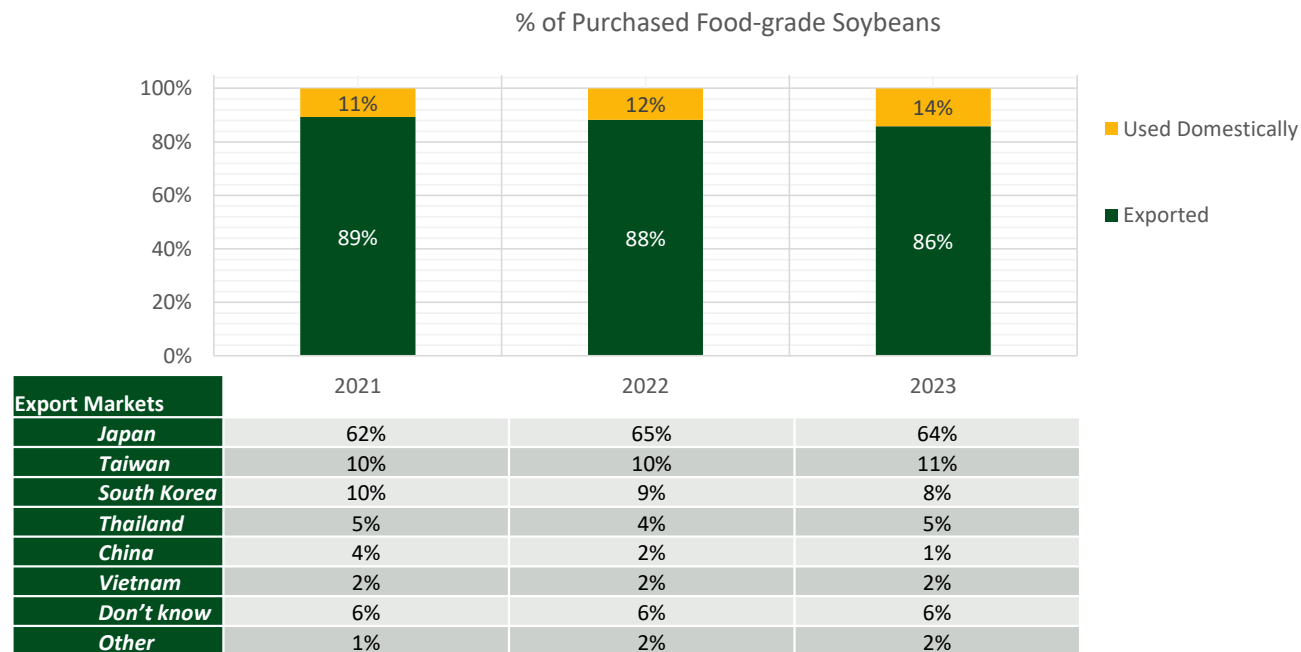


Source (2022 study): When do you typically make decisions about the quantity of NON-GMO IP FOOD-GRADE soybeans your company will contract?



# International Markets for Food-grade Soybeans

- Nearly all food-grade soybeans are expected to be sold to international buyers (88% of non-GMO food-grade soybeans in 2022), The top international market is Japan, to where 65% of U.S. non-GMO food-grade soybeans will be exported in 2022. Taiwan and South Korea are the second largest markets receiving roughly 10% each of U.S. produced food-grade soybeans.



Base=17.

Source (2022 study): What percent (%) of the IP NON-GMO FOOD-GRADE soybeans purchased in the U.S. by your company will be used domestically and what percent (%) will be sold for export to countries outside of the U.S.? And to which countries will the exported IP NON-GMO FOOD-GRADE soybeans go. Please enter the portion that will go to each country.



# • Updates to Soyfood Database

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# SPECIALTY U.S. SOY DATABASE

🔍 品種を検索...

## フィルター

### 使用目的

- ☐ High Oleic
- ☐ 味噌
- ☐ 納豆
- ☐ 豆乳
- ☐ しょうゆ
- ☐ 豆腐
- ☐ 一般的な使用

### タイプ

- ☐ オーガニック
- ☐ 非GMO

### サイズ

- ☐ 小さな
- ☐ 平均
- ☐ 大きい

### ヒルムカラー

- ☐ ホワイト、イエロー、クリア
- ☐ パフ
- ☐ 茶色
- ☐ 不完全な黒
- ☐ 黒

フィルタをリセット

## タンパク質レベル範囲 (ドライ)

ドライ

13%

31 to 50

## 品種

CURRENT SAMPLE DATA

2020

2021



バラエティ  
20458

使用目的: Tofu, Soy Milk, Other  
種類: Non-GMO  
ヒルムカラー: White, Yellow, Clear

| サイズ     | G/100 シード | タンパク質 (DRY) | 油 13% |
|---------|-----------|-------------|-------|
| Average | 16.15     | 41.305      | 17.78 |



バラエティ  
20463

使用目的: Miso, Soy Milk, Other  
種類: White, Yellow, Clear

| サイズ     | G/100 シード | タンパク質 (DRY) | 油 13%  |
|---------|-----------|-------------|--------|
| Average | 14.6      | 38.66       | 20.215 |



バラエティ  
20465

使用目的: Miso, Soy Milk, Other  
種類: Non-GMO  
ヒルムカラー: White, Yellow, Clear

| サイズ     | G/100 シード | タンパク質 (DRY) | 油 13%  |
|---------|-----------|-------------|--------|
| Average | 15.25     | 40.51       | 19.535 |



バラエティ  
20468

使用目的: Tofu, Other  
種類: Non-GMO  
ヒルムカラー: Brown

| サイズ     | G/100 シード | タンパク質 (DRY) | 油 13% |
|---------|-----------|-------------|-------|
| Average | 15.75     | 45.46       | 17.77 |



バラエティ  
20479



バラエティ  
20482

3



パラエティ

2180 (2021)

CURRENT SAMPLE YEAR

2020

2021

シードプロバイダーを探す

🖨️ スペックシートの印刷



成熟度グループ

2.1

## 品質属性

| 使用目的           | 種類      | ヒルムカラー               | サイズ   | G/100 シード |
|----------------|---------|----------------------|-------|-----------|
| Tofu, Soy Milk | Non-GMO | White, Yellow, Clear | Large | 23.85     |

## 構成

|                    |                |                   |                   |                      |
|--------------------|----------------|-------------------|-------------------|----------------------|
| タンパク質 13%<br>36.83 | 油 13%<br>18.31 | SUCROSE DB<br>5.6 | RAFFINOSE DB<br>1 | STACHYOSE DB<br>3.35 |
| LYSINE<br>3.4      | 必須アミノ酸<br>14.4 |                   |                   |                      |

## ISOFLAVONE DATA

|                 |                  |                           |
|-----------------|------------------|---------------------------|
| DAIDZIN<br>0.73 | GENISTIN<br>1.39 | TOTAL ISOFLAVONES<br>2.13 |
|-----------------|------------------|---------------------------|

## 豆腐 & 豆乳

|                       |                        |                       |                       |                       |
|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|
| E%<br>7.74            | 吸水能力<br>1.55           | 豆乳の収量<br>7.88         | BRIX INDEX<br>8.6     | ミルクカラー L<br>92 ± 0    |
| ミルクカラー A<br>-2.1 ± 0  | ミルクカラー B<br>17.3 ± 0.0 | 豆腐の収量<br>3.47         | 豆腐カラー L<br>89.6 ± 0   | 豆腐カラー A<br>-2.6 ± 0.0 |
| 豆腐カラー B<br>22.9 ± 0.0 | 豆腐の固さ<br>2453 ± 190    | 豆腐の弾力性<br>0.97 ± 0.00 | 豆腐の凝集性<br>0.60 ± 0.02 |                       |

## Updates to the Database:

- New data (22 crop) to be uploaded in early 2023
- New varieties (soon to be released)
- Ultra high protein soybeans for SPC purposes
- 11s 7s ratio
- Low lipo beans
- Updated map



Thank You!