



NEMZETI ÉLELMISZERLÁNC-BIZTONSÁGI HIVATAL

Soybean Trials

April 28 ,2022.Euroseeds Meeting.

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Agricultural Genetic Resources Directorate

TORDAS

WORLD SOYBEAN PRODUCTION BY COUNTRY

BRAZIL		137,000,000
UNITED STATES		112,549,000
ARGENTINA		48,000,000
CHINA		19,600,000
INDIA		10,500,000
PARAGUAY		10,250,000
CANADA		6,350,000
RUSSIA		4,300,000
UKRAINE		3,100,000
BOLIVIA		2,900,000
URUGUAY		2,200,000
SOUTH AFRICA		1,425,000
ITALY		1,100,000
NIGERIA		700,000
SERBIA		635,000
INDONESIA		475,000
FRANCE		450,000
ROMANIA		450,000
ZAMBIA		285,000
KAZAKHSTAN		260,000

AMERICA	
BRAZIL	137,000,000
UNITED STATES	112,549,000
ARGENTINA	48,000,000
PARAGUAY	10,250,000
CANADA	6,350,000
BOLIVIA	2,900,000
URUGUAY	2,200,000
MEXICO	255,000
COLOMBIA	86,000
VENEZUELA	75,000

AFRICA	
SOUTH AFRICA	1,425,000
NIGERIA	700,000
ZAMBIA	285,000
BENIN	250,000
MALAWI	172,000
GHANA	170,000
ETHIOPIA	100,000
BURKINA FASO	54,000
ZIMBABWE	50,000
ANGOLA	40,000

EUROPE	
RUSSIA	4,300,000
UKRAINE	3,100,000
ITALY	1,100,000
SERBIA	635,000
FRANCE	450,000
ROMANIA	450,000
CROATIA	250,000
AUSTRIA	220,000
HUNGARY	175,000
SLOVAKIA	122,000

ASIA	
CHINA	19,600,000
INDIA	10,500,000
INDONESIA	475,000
KAZAKHSTAN	260,000
JAPAN	235,000
NORTH KOREA	225,000
CAMBODIA	180,000
IRAN	169,000
BANGLADESH	156,000
MYANMAR	140,000

CONTINENTS	
AMERICA	319,765,570
ASIA	32,242,400
EUROPE	11,148,650
AFRICA	3,431,800
OCEANIA	41,000

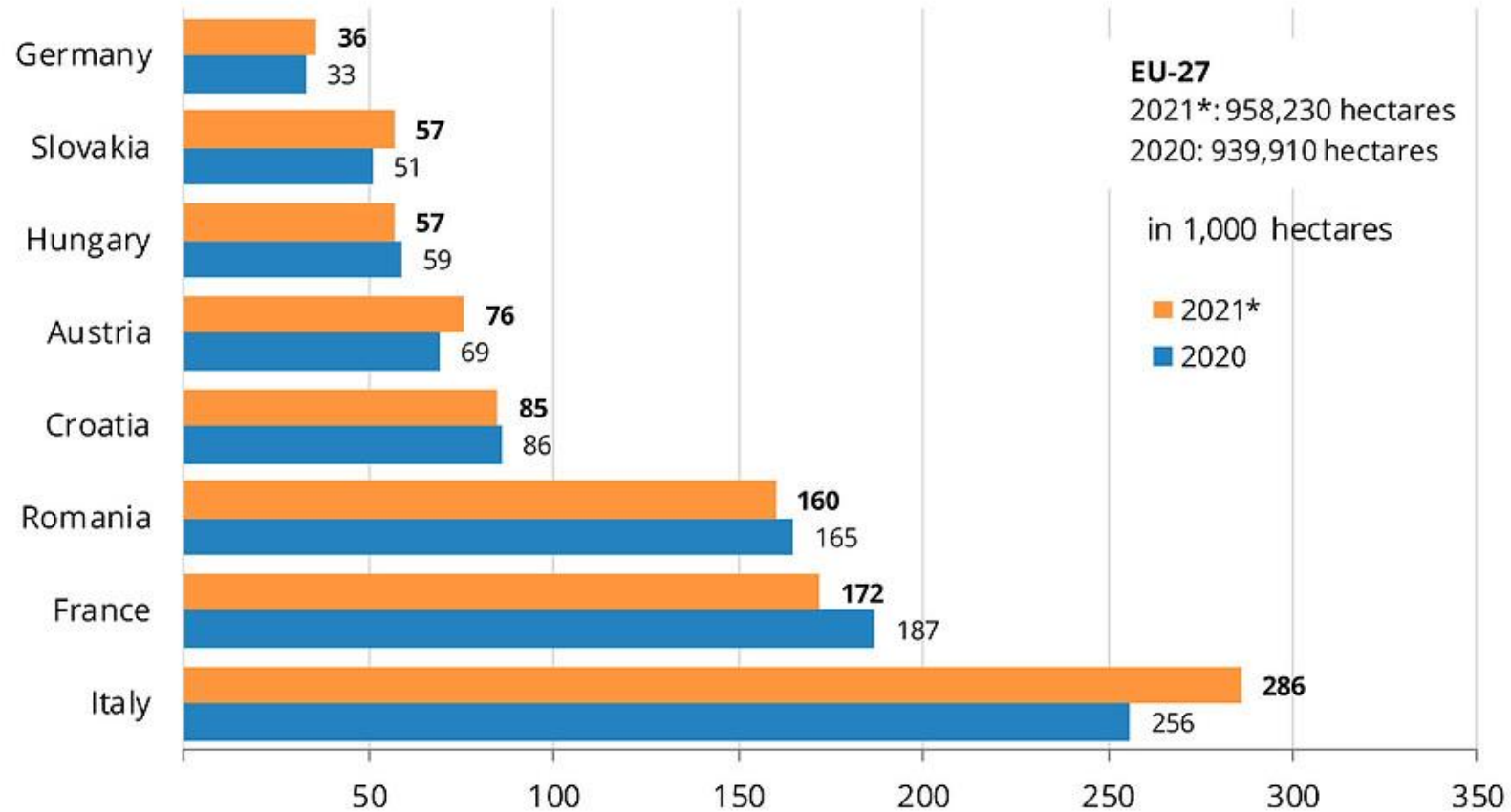
SOYBEAN



2021

TOTAL | 366,644,348

2021 soybean area in the EU-27



Source: EU Commission, national statistics

Note: *estimated

*Development of the national sown area and yield of soybeans
2013-2021.*

	2013	2014	2015	2016	2017	2018	2019	2020	2021
eha	41,205	42,337	77,013	61,198	65,830	60,022	59,617	58,504	62,740
t/ha	2,056	2,684	1,815	2,958	2,462	2,900	2,864	2,724	2,608
et	84,7	113,6	142,6	181,0	162,1	174,0	170,7	159,4	163,657



Location of soybean trials in 2022.



Soybean small plot variety comparison experiments in 2022.

		SRV	EU	AP
I. Very early/00	25	5	6	14
II. Early/0	27	7	3	17
III. Medium/I	21	7	8	6
Total:	73	19	17	37

Applicant:	Number of variety:	
Bóly	8	13 varieties 17,80%
MATE TKI	2	
GK Szeged	1	
Biomagker	1	
Margittasziget	1	
Lidea (23)	14	60 varieties 82,20%
Lidea/Galldorf	5	
Lidea/Margittasziget	2	
Lidea/Isterra	1	
Lidea/KITE	1	
RAGT (11)	7	
RAGT/Agromag	1	
RAGT/Axereal	3	
RWA	7	
Saatzucht Donau	4	
GK Szeged	3	
Agromag	3	
Lajtamag	2	
Axereal	2	
Saaten Union	2	
Saatbau Linz	1	
Karintia	1	
Aliska/Petersen	1	
Total:	73	

State registered varieties:52

		Industrial	Human/HP
I.Very early/00	13	11	2
II.Early/0	22	19	3
III.Medium/I	17	14	3
IV.Late/II	-		
Total:	52	44	8

EU:587
+39

Soybean experiments, plans, changes in 2022.

Experiment types:

- Official trials
- Examination of EU varieties
- Examination of state registered varieties
- Private trials

Maturity groups:

- Very early / 00, Early / 0, Medium / I.
- Industrial /Feed
- Human/HP

Tests:

- Seed yield, oil content, protein content, observations during the growing season.
(Thousand kernel mass,-Vegetation period,-Duration of flowering,-Bottom sheath height
-Plant heighth,-Standingability,-Susceptibility to shedding)
- GMO test
- Determination of trypsin inhibitor activity

Standard changes and groups in soybean experiments 2022.

Industrial:

Very early/00 group:

Seed yield, protein yield and oil yield values exceed the standards.

Boglár st.	2012	HU	Bóly
ES Mentor st.	2011	FR	Lidea/Galldorf
RGT Sefora/S15234	2022	FR	RAGT

Early/0 group/:

Ananda st.	2017		AT	Saatbau Linz/S.U.
DH 4173 st.	2012		CA	RWA Magyarország Kft.
ES Tribor st.	2019		FR	Lidea/Margittasziget

Medium/I group:

ES Pallador st.	2016		FR	Lidea/KITE
RGT Sinfonia st.	2018		FR	RWA/ Ragt/Agromag
ES Generator st.	2021		FR	Lidea/Isterra

Human/HP:**Very early/00 group:**

ES Inspector/ESG1922	2022	FR	Lidea
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Early/0 group:

ES Warrior st.	2020	FR	Lidea/Galldorf
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Medium/I group:

ES Competitor/ESG 1943	2021	FR	Lidea/Galldorf
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The average of the standard variety (s) for seed yield and protein yield must be exceeded for the variety to be submitted. In the case of protein content, the candidate must be above 40% in the test years. It is desirable that the color of the seed and hilum be yellow, but this is not a condition. Corresponding thousand-seed weight (value greater than 160 g).

Newly listed soya bean varieties 2022 (03).

Very early group/00:

- **Alfabon** /BSF-1738 (Industrial)
- **ES Inspector**/ESG 1922 (Human/HP)
- **RGT Sefora**/S15234 (Industrial)

Early group/0 :

- **Suraja**/S14693 (Industrial)
- **RGT Sicilia**/S15252 (Industrial)



Thank you for your attention!

