

Low Yield Legislation

The Effects of EU Legislation on Crop Yields

A summary of Steward Redqueen's Low Yield Reports

Low Yield Reports

7 KEY STAPLE CROPS

38* SPECIALTY CROPS

Researchers analysed the situation in
16 COUNTRIES
IN THE EU

A study
in two
phases

The two phases of the study cover almost
half of the total EU production value and
extrapolate effects to the EU level

*This number represents the total for both studies.

The potential impact of hazard-based legislation:

YIELD



Certain staple crops - like grapes in Hungary - could face a decrease in yields of up to **66%**

Increase of production costs for staple crops of **12%** on average

Certain specialty crops - like carrots in Finland - could lose the entirety of the yield, experiencing a potential **100%** loss

Reduced farmer profitability of **11%** on average

EUROPEAN ECONOMY

Due to the different environments in which European farmers operate, there would be a large variation in estimated yield losses per country and per staple crop.

Staple crops would face
yield losses up to 36%

and an increase
in production costs up to 23%

It is estimated that more than
1.1 million jobs in the agricultural sector would be **at risk** of being lost



TRADE

The EU would have to import
75 MILLION TONS of staple crops, such as wheat, barley and potatoes

more than
5 MILLION TONS of grapes from **3rd** countries

OUR ENVIRONMENT

Without the 75 substances, the cultivation of seven staple crops in the EU would result in an additional

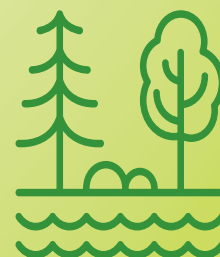
42 MILLION TONS
of CO₂

*This is an increase of **67%** compared to current emission levels.*

Without the 75 substances an additional

8.4 MILLION HECTARES

of land would have to be made available for cultivation.



Country-specific highlights from Report II *if the farmers' toolbox is preserved:*



BELGIUM

PRODUCTION YIELDS

1.3
Million
tons
HIGHER

PRODUCTION VALUE

€ **209**
Million
PER
YEAR



DENMARK

PRODUCTION YIELDS

1.6
Million
tons
HIGHER

PRODUCTION VALUE

€ **221**
Million
PER
YEAR



FINLAND

PRODUCTION YIELDS

1.4
Million
tons
HIGHER

PRODUCTION VALUE

€ **294**
Million
PER
YEAR



GREECE

PRODUCTION YIELDS

2.7
Million
tons
HIGHER

PRODUCTION VALUE

€ **2.2**
Billion
PER
YEAR



HUNGARY

PRODUCTION YIELDS

2.1
Million
tons
HIGHER

PRODUCTION VALUE

€ **441**
Million
PER
YEAR



ROMANIA

PRODUCTION YIELDS

8.9
Million
tons
HIGHER

PRODUCTION VALUE

€ **1.5**
Billion
PER
YEAR



SWEDEN

PRODUCTION YIELDS

917
Thousand
tons
HIGHER

PRODUCTION VALUE

€ **170**
Million
PER
YEAR

Country-specific highlights from Report II *if the farmers' toolbox is depleted:*

BELGIUM

Gross profit would drop by

63%

DENMARK

Profit loss of

64%

PER
HECTARE

for potato
farmers

FINLAND

Carrot farmers would lose

100% of their
yield

GREECE

Greek olives will face

50% yield
loss

HUNGARY

Apricot yield would decrease by

91%

ROMANIA

736,700 jobs would be
affected (4% of entire country population)

SWEDEN

Almost **20%** production loss
of fresh fruit and vegetables