# Winter Oilseed Rape –

versatile, healthy and climate friendly

Winter Oilseed Rape Harvest 2022

1.08 million ha Cultivated area 4.29 million t Harvest quantity

39.6 dt/ha Average yield





# 1. Cultivation

Winter oilseed rape cultivation in Germany



#### **Cultivated area** winter oilseed rape

- 500 ha 500 ha - 1000 ha
- 1000 ha 2000 ha 2000 ha - 3000 ha 3000 ha - 4000 ha
- 4000 ha 5000 ha 5000 ha - 6000 ha
- > 6000 ha

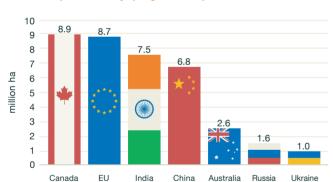
Winter oilseed rape covers 9 % of the

total arable land in

#### Winter and spring oilseed rape – international

Cultivated area 2021

In Germany > 99 % winter oilseed rape Outside Europe almost only spring oilseed rape



### Advantages of oilseed rape cultivation



High preceding crop value:

Up to 10 % additional yield for the following crop



Widening of crop rotations through leaf crops in the case of intensive cereal cultivation



Advantageous root system due to a particularly deep and strong taproot system



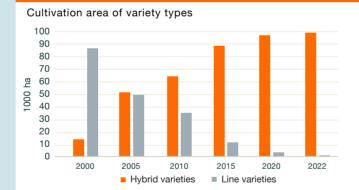
Erosion protection through eleven-month ground coverage (sowing in August and harvesting in July)

# 2. Breeding

Breeding goals of winter oilseed rape



# **Progress in hybrid breeding**



# High yield potential of oilseed rape



# 3. Quality

**Production per hectare** 

# **Example calculation** One oilseed rape pod approx. 1,650 l/ha rapeseed oil contains 15 to 18 grains and 2.500 kg/ha rapeseed meal



# Composition rapeseed oil

62 % Monounsaturated fatty acids (oleic acids)

29 % Polyunsaturated fatty acids (thereof 9 % alpha-linolenic acids)

7 % saturated fatty acids

# Particularly valuable

- High content of alpha-linolenic acid
- High content of monounsaturated oleic acid → e.g. positive against cardiovascular diseases

#### Positive environmental impact

- Positive landscape image
- Oilseed rape blossom attracts insects



On one hectare of

40 kg of oilseed rape honey

can be harvested, this



# 4. Possible usage





# Rapeseed cooking oil

With 40 % market share most popular cooking oil in Germany



# Feeding with rapeseed meal

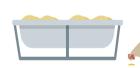
Quantity in feed

Over 4,1 million tonnes of protein feed





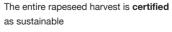






72 % of the biofuel used in Germany is biodiesel (2.3 million t)











































All data in the chart refer to Germany, unless onerwise onerwises onerwise onerwises onerwise of some of the chart refer to Germany, (own report according to education with refer to Germany, (own report according to a gricultural land use destatis 2022; whiter and spring oilseed rape internationally (own report according to Epoch of Countries, 2021; cultivation type according to a gricultural land use destatis 2022 and UFOP 2022); Advantages (own report according to UFOP Raps in der Bioökonon @ Breeding / Breeding / Breeding / Breeding goals (own report, selection of overriding breeding goals (own report according to white and spring oilseed rape in the Bioeconomy 2022); High yield potential (own report according to UFOP, Rapeseed in the Bioeconomy 2020); Composition of rapeseed oil (own report according to UFOP, German Rapeseed oil (own report according to UFOP, Oilseed rape in the Bioeconomy); Feeding with rapseseed meal (own report according to UFOP 2017); Sustainable oilseed rape fuel (own report according to oilseed rape in the bioeconomy, UFOP 2020) cultural land use destatis 2022 and UFOP 2022); Advantages (own report according to UFOP Raps in der Bioökonomie 08/2020 and Die Rapswurzel, www.ufop.de).