

KWS Fit4NEXT – Catch Crop mixtures for vitality.

Portfolio 2023 | Markus Molthan | Product Management Catch Crops

SEEDING
THE FUTURE
SINCE 1856



KWS Fit4NEXT

Catch Crop mixtures for vitality.



The new Catch Crop mixture program of KWS

Your advantages

- One stop
- Clear and focussed portfolio
- Components from KWS Breeding programs
- High Seed Quality
- In trials tested mixtures and components

Available in
25 kg Paper
Bags
&
1000 kg Big
Bags



KWS Fit4NEXT

Catch Crop mixtures for vitality.



KWS Fit4NEXT MY MIX

The mixture according to your requirements

- Availability of over 30 Catch Crop varieties
- From 5 tons mixture or 300 ha cultivated area
- Bagging in 25 kg paper bags or 1000 kg big bags



KWS Fit4NEXT

Crop rotation recommendation



KWS Fit4NEXT	Recommend for Crop Rotations including...						Share of Legumens % Seeds	recommended seeding time			
	Cereals	Corn	Oilseed Rape	Sugar Beet	Legumes	Potatoes		Jul	Aug	Sep	Oct
N-FIX FOR OILSEED RAPE SK	■■■	■■■	■■■	■■			40	■	■	■	
N-FIX FOR OILSEED RAPE	■■■	■■■	■■■	■■			25	■	■	■	
OILSEED RAPE	■■■	■■■	■■■	■■	■■■		0	■	■	■	
N-MAX FOR OILSEED RAPE	■■■	■■■	■■■	■■			62	■	■	■	
BEET	■■■	■■■		■■■	■■		0	■	■	■	
BEET RADISH FREE	■■■	■■■		■■■	■■		0	■	■	■	
BEET MUSTARD FREE	■■■	■■■	■	■■■	■■		0	■	■	■	
N-FIX FOR BEET	■■■	■■■		■■■			42	■	■	■	
POTATOE	■■■	■■■		■■■		■■■	4	■	■	■	
N-FIX FOR POTATOE	■■■	■■■	■	■■■		■■■	29	■	■	■	
DIVERSITY	■■■	■■■		■■			29	■	■	■	
BIOMASS	■■■	■■■			■■		0	■	■	■	
CATCH N COVER	■■■	■■■			■■		0	■	■	■	
GREEN FEED	■■■	■■■	■■	■			42	■	■	■	
WINTER N-MIN	■■■	■■■			■		0	■	■	■	

Suitability: ■■■ = ideal ■■ = ok ■ = possible

■ ideal
■ ok
■ possible

(Source: KWS, 2023)

Share of Legumes 40 %

Advantages

- Free from Brassicaceae: Ideal for rapeseed crop rotation
- Atmospheric N-Fixation by legumes
- Good root development from different root systems
- Ideal freezing behavior

Components (share of seed %)

- | | |
|------------------------|-----------------|
| ▪ Egyptian Clover (34) | ▪ Phacelia (30) |
| ▪ Incarnat Clover (5) | ▪ Ramtilla (20) |
| ▪ Spring Vetch (1) | ▪ Flax (10) |



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N-FIX FOR OILSEED RAPE SK



RAMTILLA
20%

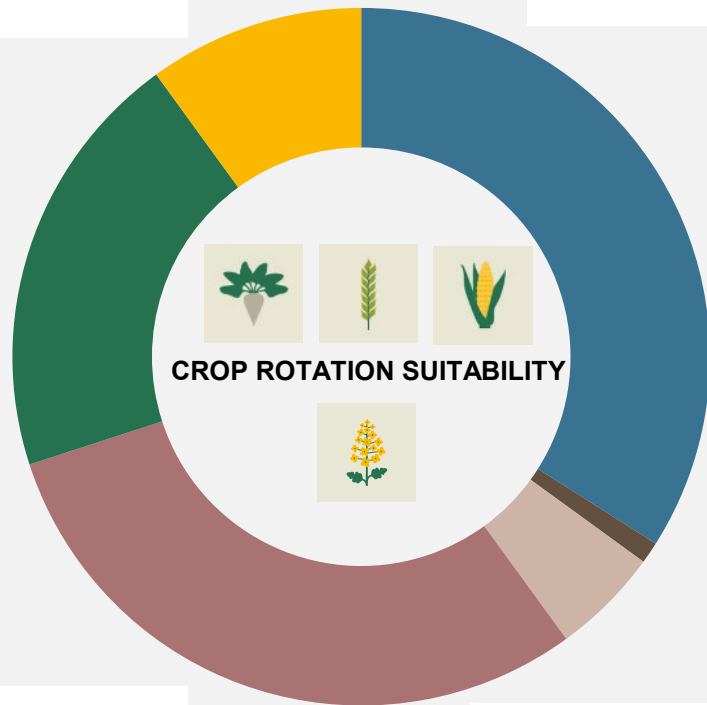
FLAX
10%

EGYPTIAN
CLOVER
34%

SPRING VETCH
1%

PHACELIA
30%

INCARNAT
CLOVER
5%



Share of Legumes 40 %



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N-FIX FOR OILSEED RAPE SK



Things to know

Legume content in %:

40

Seeding rate recommendation:

kg/ha:

13-19

kernels/m²:

390 - 560

Sowing time recommendation

July

August

September

October



ideal



ok



possible

Share of Legumes 40 %



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N-FIX FOR OILSEED RAPE SK

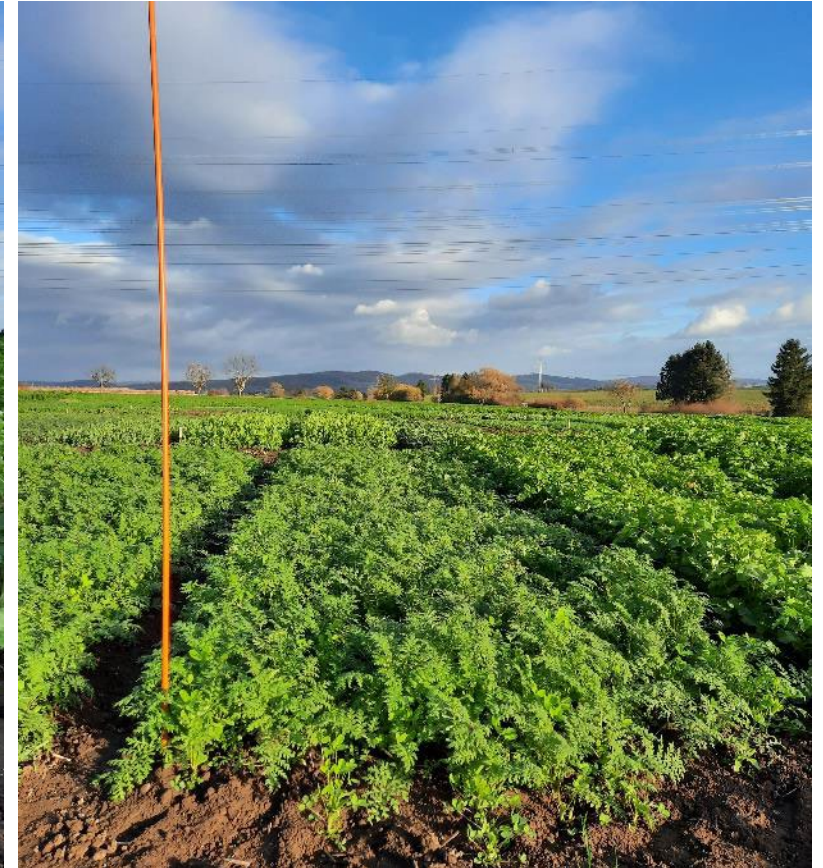
08.11.
21



Early sowing date



Mid sowing date



Late sowing date

Advantages

- Free from Brassicaceae: Ideal for rapeseed crop rotation
- Atmospheric N-Fixation by legumes
- Good root development from different root systems
- Application of farm-produced fertilisers (manure) possible in autumn*

Components (share of seed %)

- Egyptian Clover (25)
- Flax (27)
- Phacelia MAJA KWS (28)
- Ramtilla (20)



* Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

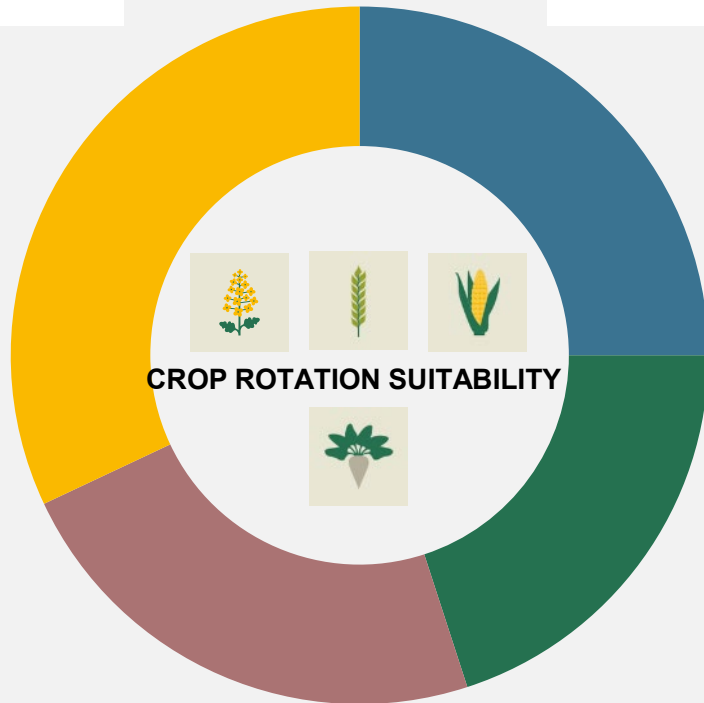
KWS Fit4NEXT

N-FIX FOR OILSEED RAPE



FLAX
27%

EGYPTIAN CLOVER
25%



PHACELIA
28%

RAMTILLA
20%

Share of Legumes 25 %



KWS Fit4NEXt

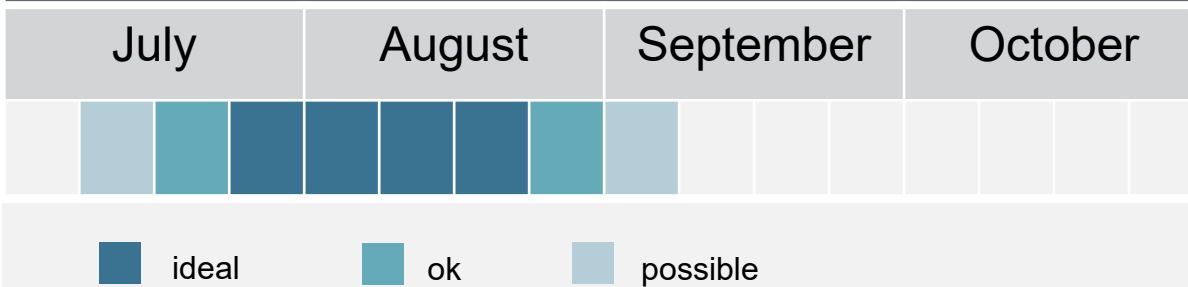
N-FIX FOR OILSEED RAPE



Things to know

Legume content in %:	25
Seeding rate recommendation:	
kg/ha:	12-17
kernels/m ² :	320 - 460

Sowing time recommendation



Share of Legumes 25 %



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N-FIX FOR OILSEED RAPE

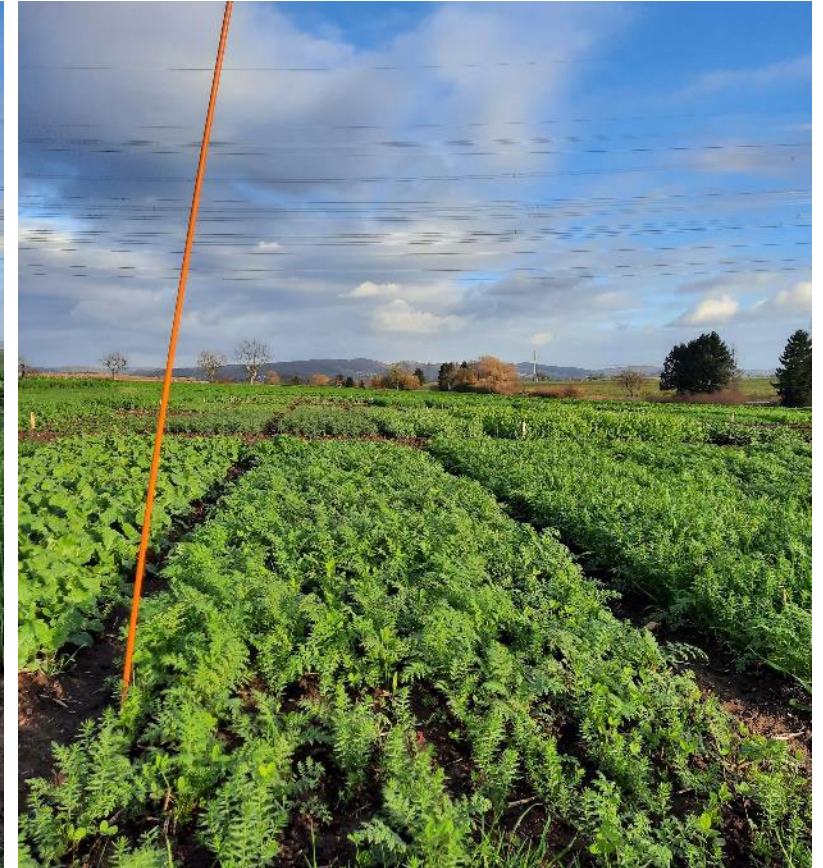
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21



Early sowing date



Mid sowing date



Late sowing date

Advantages

- Free from Brassicaceae: Ideal for rapeseed crop rotation
- Legume-free mix: Application of farm-produced fertilisers (manure) possible in autumn*
- Ideal freezing behavior
- Suitable for universal crop rotation
- Phospore digestion due to high proportion of Phacelia

Components (share of seed %)

- Flax (35)
- Phacelia MAJA KWS (30)
- Ramtilla (16)
- Bristle Oat (19)



* Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

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OILSEED RAPE

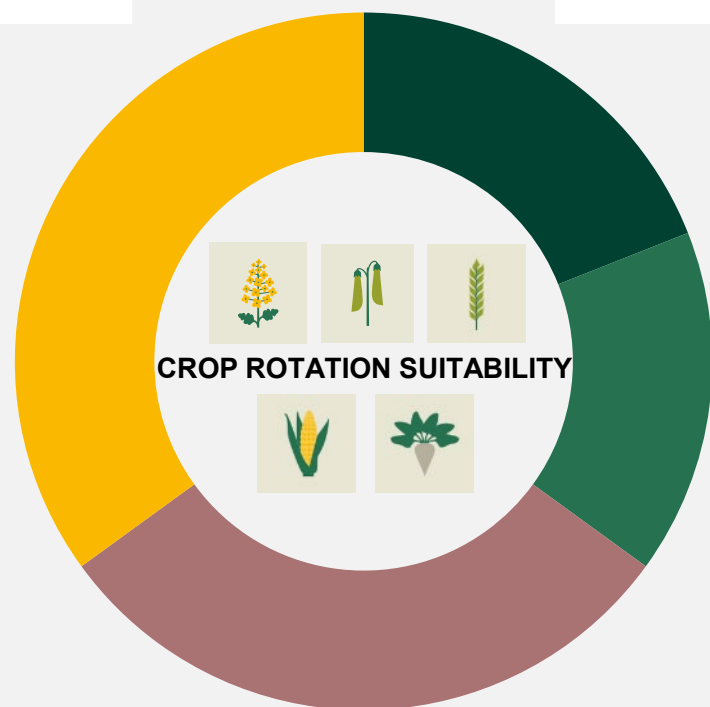


FLAX

35%

BRISTLE OAT

19%



PHACELIA

30%

RAMTILLA

16%

Share of Legumes 0 %



KWS Fit4NEXt

OILSEED RAPE



Things to know

Legume content in %:

0

Seeding rate recommendation:

kg/ha:

18 - 26

kernels/m²:

250 - 360

Sowing time recommendation

July

August

September

October



ideal



ok



possible

Share of Legumes 0 %



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OILSEED RAPE

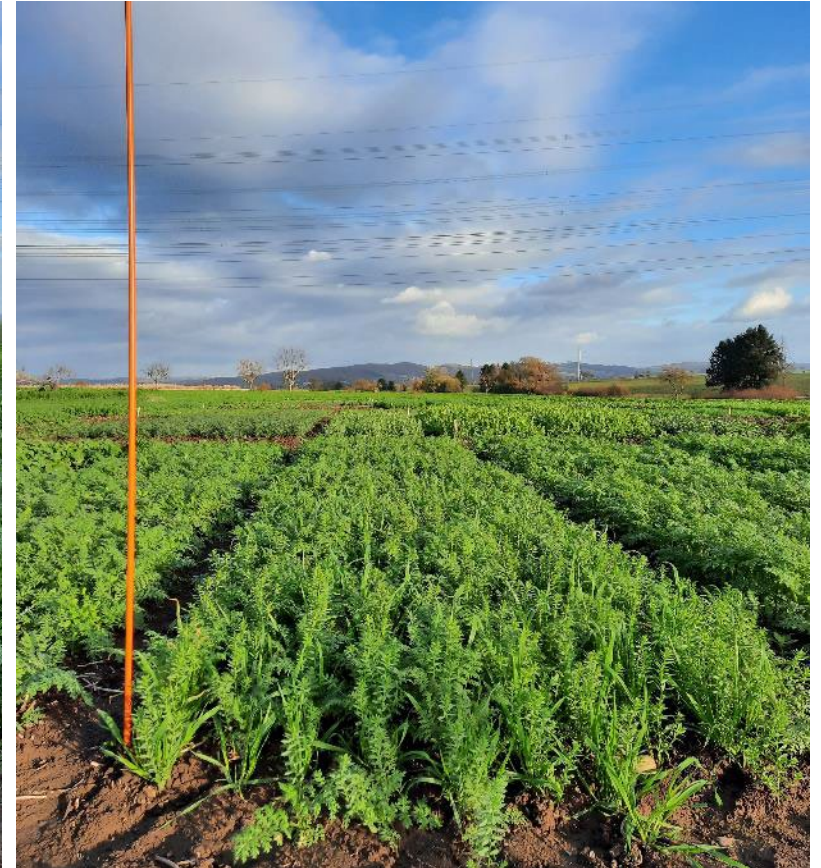
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21



Early sowing date



Mid sowing date



Late sowing date

Share of Legumes 62 %

Advantages

- Augsts pākšaugu īpatsvars: maksimāli iespējamai atmosfēras N piesaistei
- Advantages compared to mixtures with less legumens in N-limited conditions
- Free from Brassicaceae: Ideal for rapeseed crop rotation
- Good root development from different root systems
- Suitable for a lot of crop rotations
- Application of farm-produced fertilisers (manure) possible in autumn*

Components (share of seed %)

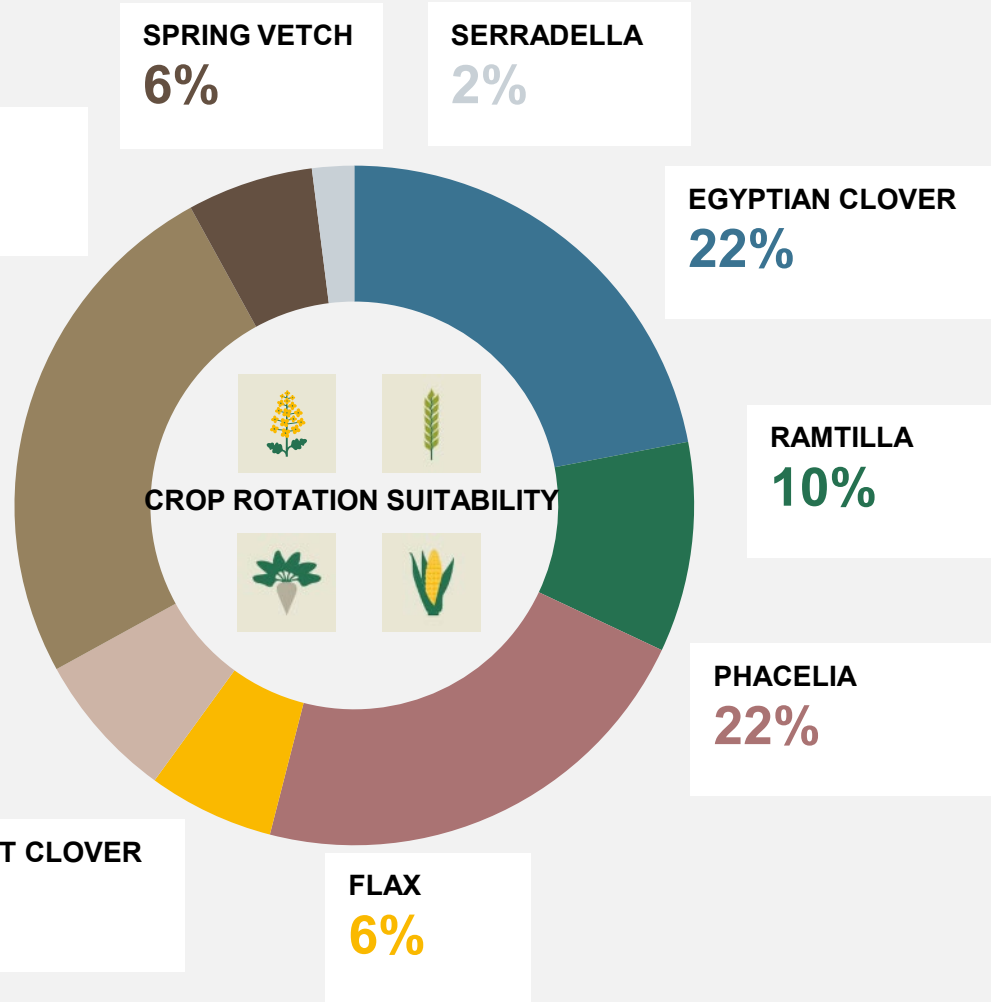
- | | |
|------------------------|--------------------------|
| ▪ Egyptian Clover (22) | ▪ Phacelia MAJA KWS (22) |
| ▪ Incarnat Clover (7) | ▪ Ramtilla (10) |
| ▪ Persian Clover (25) | ▪ Flax (6) |
| ▪ Spring Vetch (6) | ▪ Serradella (2) |



* Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

KWS Fit4NEXt

N-MAX FOR OILSEED RAPE



Share of Legumes 62 %



KWS Fit4NEXt

N-MAX FOR OILSEED RAPE



Things to know

Legume content in %:

62

Seeding rate recommendation:

kg/ha:

21 - 30

kernels/m²:

350 - 500

Sowing time recommendation

July

August

September

October



ideal



ok



possible

Share of Legumes 62 %



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N-MAX FOR OILSEED RAPE

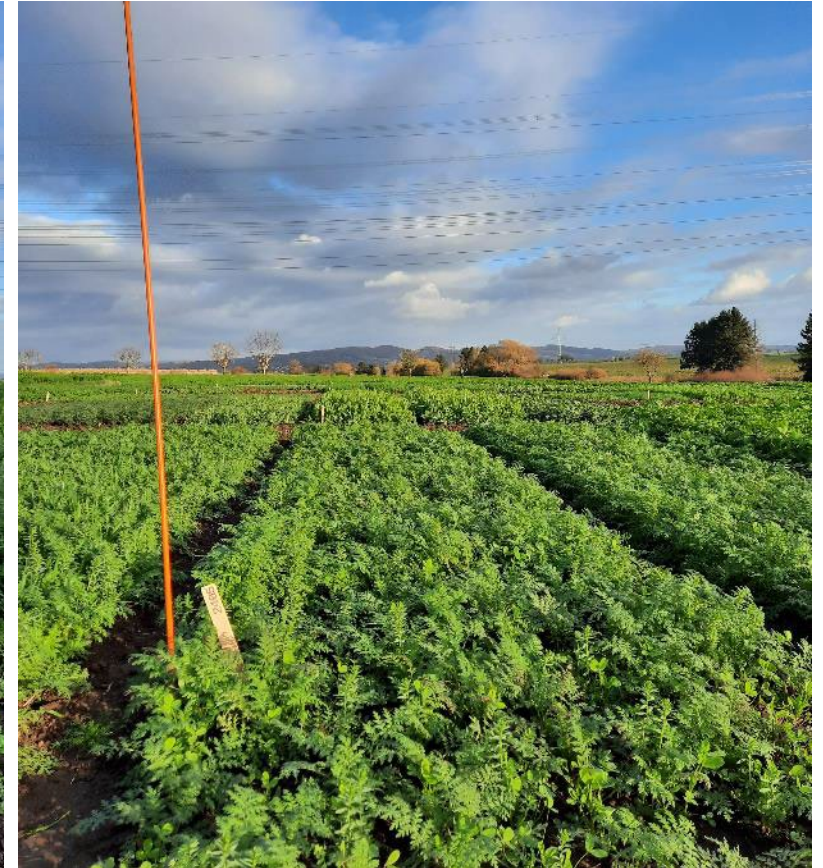
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Early sowing date



Mid sowing date



Late sowing date

Advantages

- Effective reduction of Beet Cyst Nematodes (*H. schachtii*)* with White Mustard SIMPLEX¹⁾ and Oil Radish REAKTION KWS¹⁾
- Strong root development in deeper soil layers
- Fast juvenile development
→ Outstanding weed suppression
- Application of farm-produced fertilisers (manure) possible in autumn**
- Suitable for late seeding

Components (share of seed %)

- White Mustard SIMPLEX, resistant¹⁾ (44)
- Oil Radish REAKTION KWS, resistant¹⁾ (56)



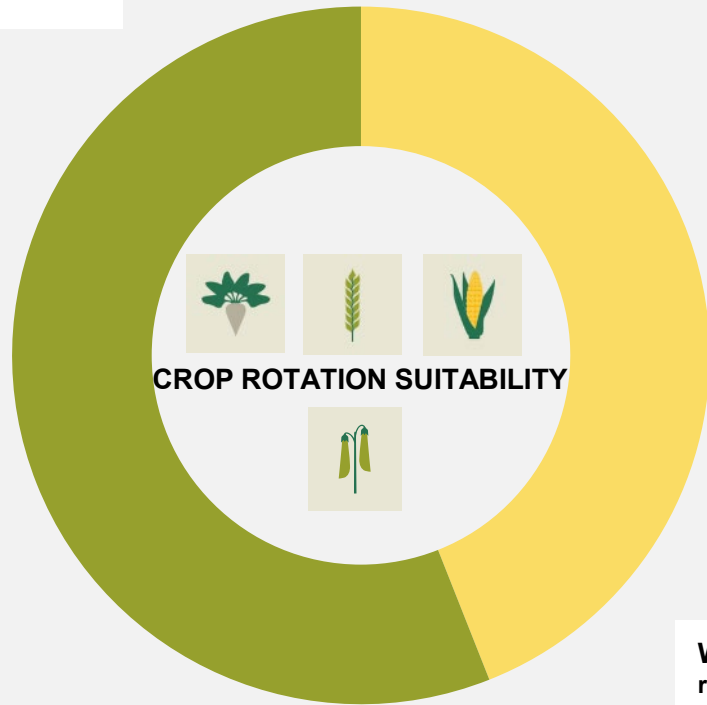
*Observe recommended sowing rate; An adequate sowing rate (> 160 plants/m²) ensures nematode reduction

** Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

¹⁾ Against beet cyst nematodes (*Heterodera schachtii*), APS 2 (mustard) and APS 1 (Oil Radish) of Federal Plant Variety Office

OIL RADISH,
resistant¹

56%



WHITE MUSTARD,
resistant¹

44%

¹) Against beet cyst nematodes (*Heterodera schachtii*), APS 2 (mustard) and APS 1 (Oil Radish) of Federal Plant Variety Office

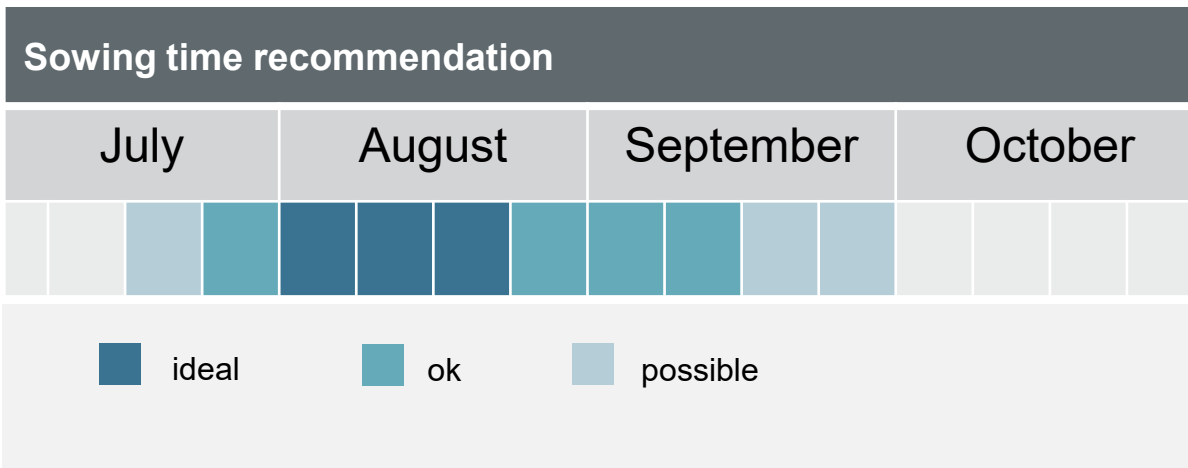
Share of Legumes 0 %



KWS Fit4NEXT BEET



Things to know		
Legume content in %:	0	
Seeding rate recommendation:	For plant destiny:	For nematode reduction:
kg/ha:	13 - 18	16 - 20
kernels/m²:	130 - 180	170 - 210



Share of Legumes 0 %

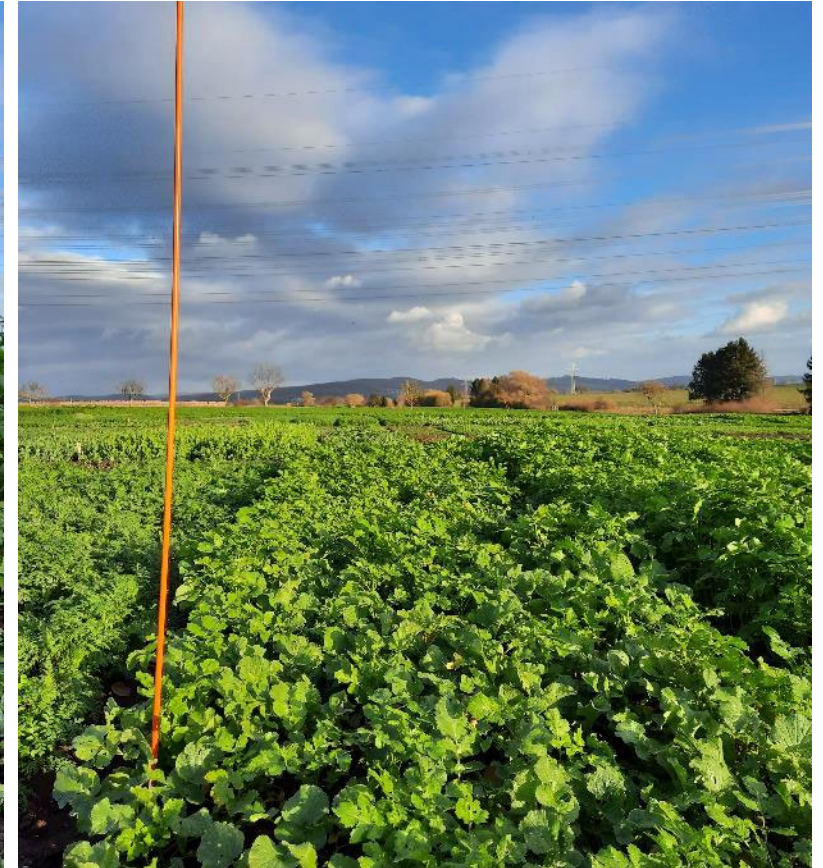




Early sowing date



Mid sowing date



Late sowing date

Advantages

- Excellent freezing behavior
- Effective reduction of Beet Cyst Nematodes (*H. schachtii*)*
- Phosphorous digestion through a high proportion of Phacelia
- Application of farm-produced fertilisers (manure) possible in autumn**

Components (share of seed %)

- White Mustard SIMPLEX, resistant¹⁾ (58)
- Phacelia MAJA KWS (42)



*Observe recommended sowing rate; An adequate sowing rate (> 160 plants/m²) ensures nematode reduction .

** Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

¹⁾ Against beet cyst nematodes (*Heterodera schachtii*), APS 2 of Federal Plant Variety Office

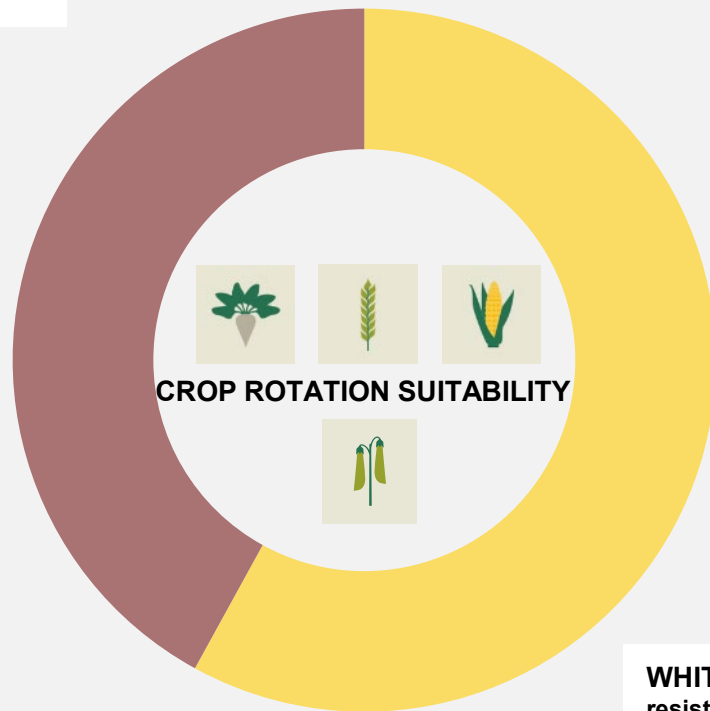
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BEET RADISH FREE



PHACELIA

42%



WHITE MUSTARD,
resistant¹

58%

¹) Against beet cyst nematodes (*Heterodera schachtii*), APS 2 of Federal Plant Variety Office

Share of Legumes 0 %



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BEET RADISH FREE



Things to know

Legume content in %:	0	
Seeding rate recommendation:	For plant density:	For nematode reduction:
kg/ha:	10 - 14	14 - 16
kernels/m²:	200 - 280	280 - 330

Sowing time recommendation

July				August				September				October			

ideal
 ok
 possible

Share of Legumes 0 %



KWS Fit4NEXT

BEET RADISH FREE

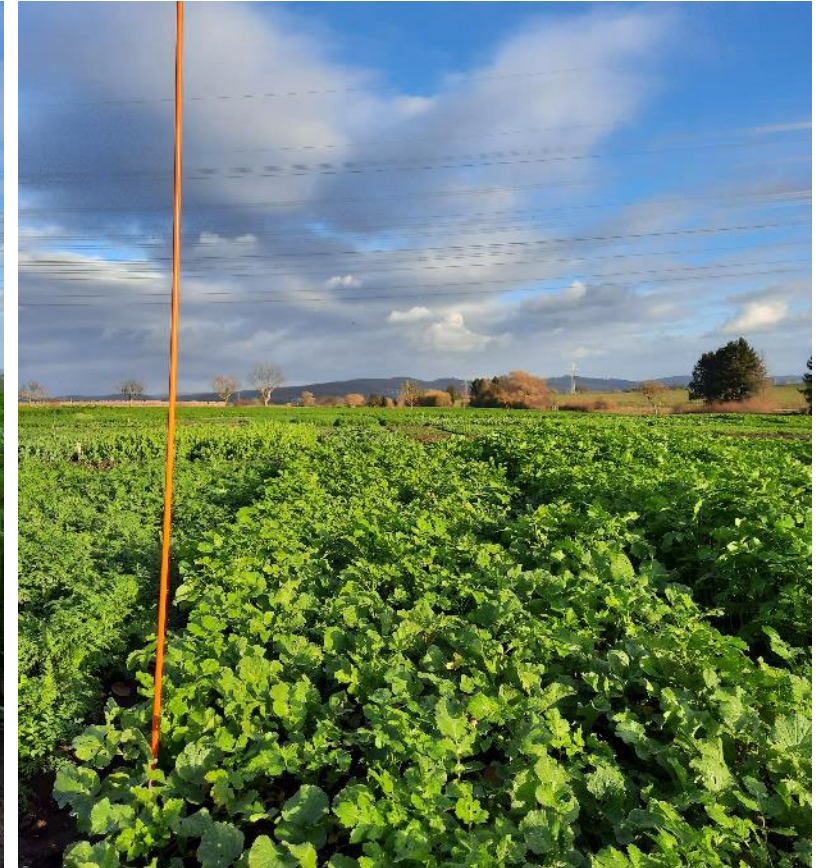
08.11.
21



Early sowing date



Mid sowing date



Late sowing date

Advantages

- Very high share of Legumens for excellent N-Fixation: improves the catch crop development and supports the following crop with nitrogen
- Effective reduction of Beet Cyst Nematodes (*H. schachtii*)* with White Mustard SIMPLEX¹⁾
- Fast juvenile development
=> Outstanding weed suppression
- Application of farm-produced fertilisers (manure) possible in autumn**
- Excellent freezing behavior

Components (share of seed %)

- White Mustard SIMPLEX, resistant¹⁾ (58)
- Egyptian Clover (20)
- Spring Vetch (14)
- Peas (8)



* Observe recommended sowing rate; An adequate sowing rate (> 160 plants/m²) ensures nematode reduction

** Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

¹⁾ Against beet cyst nematodes (*Heterodera schachtii*), APS 2 of Federal Plant Variety Office

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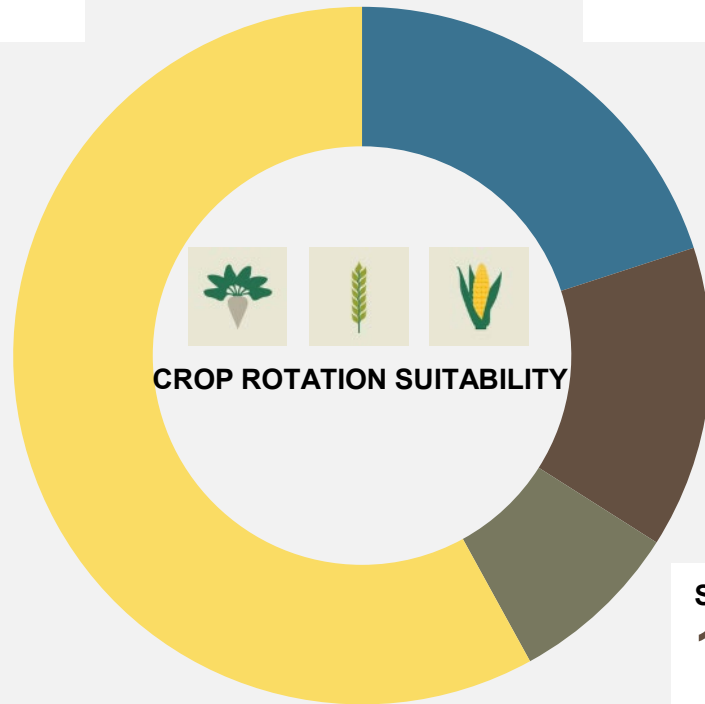
N-FIX FOR BEET

NEW



WHITE MUSTARD,
resistant¹⁾
58%

EGYPTIAN CLOVER
20%



CROP ROTATION SUITABILITY

PEAS
8%

SPRING VETCH
14%

Share of Legumes 42 %



¹⁾ Against beet cyst nematodes (*Heterodera schachtii*), APS 2 of Federal Plant Variety Office

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N-FIX FOR BEET

NEW



Things to know

Legume content in %:

42

Seeding rate recommendation:

For plant density:

For nematode reduction:

kg/ha:

50 - 65

60 - 85

kernels/m²:

160 - 200

190 - 270

Sowing time recommendation

July

August

September

October

■ ideal

■ ok

■ possible

Share of Legumes 42 %



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NEW

N-FIX FOR BEET

08.11.
22



Early sowing date



Mid sowing date



Late sowing date

Advantages

- Effective reduction of Beet Cyst Nematodes (*H. schachtii*)* with fast developing variety REAKTION KWS¹⁾
- Usable in Oilseed Rape rotations, less risk with clubroot
- Phacelia: high frost sensitivity & improves phosphorus availability
- Strong root development in deeper soil layers

Components (share of weight/seed %)

- Oil Radish REAKTION KWS, resistant¹⁾ (90/58)
- Phacelia MAJA KWS (10/42)



* Observe recommended sowing rate
An adequate sowing rate (> 160 plants/m²) ensures nematode reduction

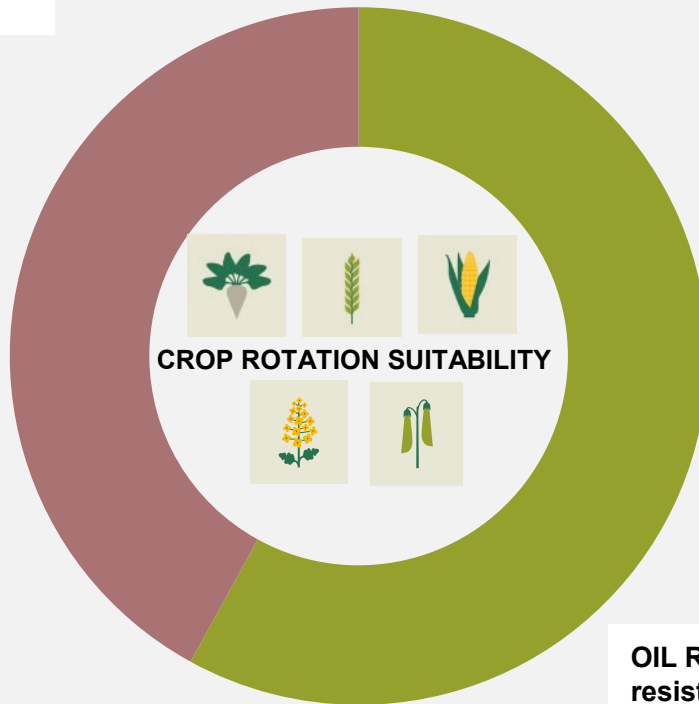
¹⁾ Against beet cyst nematodes (*Heterodera schachtii*), APS 1 of Federal Plant Variety Office

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BEET MUSTARD FREE



PHACELIA
42%



OIL RADISH,
resistant¹
58%

¹) Against beet cyst nematodes (*Heterodera schachtii*), APS 1 of Federal Plant Variety Office

Share of Legumes 0 %





Things to know		
Legume content in %:	0	
Seeding rate recommendation:	For plant density:	For nematode reduction:
kg/ha:	18 - 22	23 - 27
kernels/m²:	200 - 270	270 - 330

Sowing time recommendation

[illegible]

■ ideal ■ ok ■ possible

Share of Legumes 0 %



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BEET MUSTARD FREE

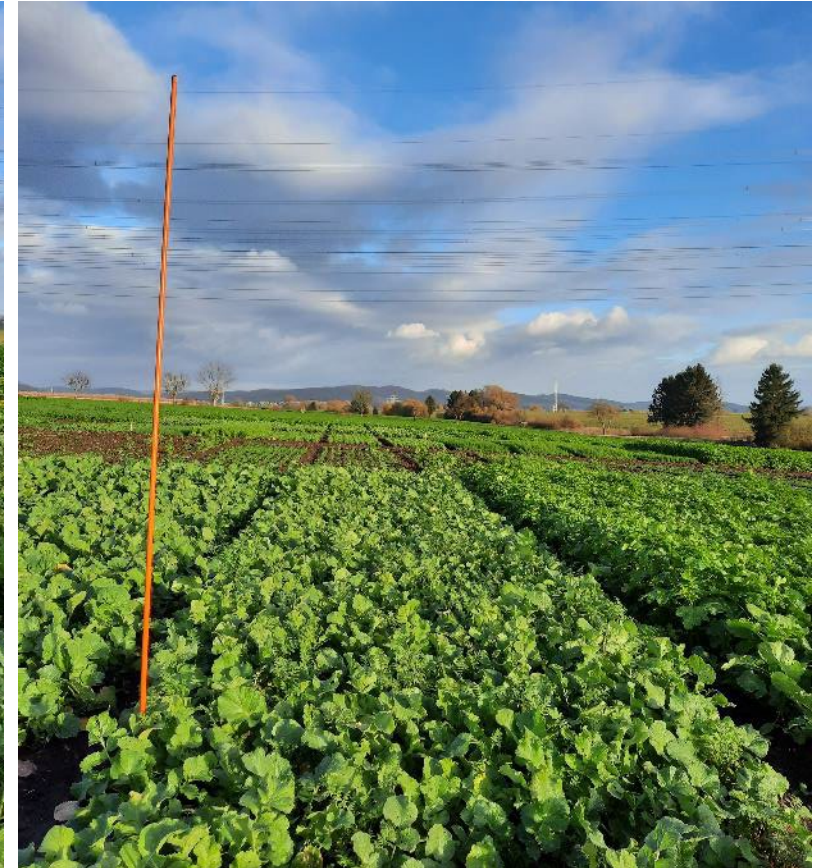
08.11.
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Early sowing date



Mid sowing date



Late sowing date

Advantages

- Comprehensive protection against potatoe and beet cyst nematodes with multiresistant Oil Radish variety TOLEDO¹⁾
- Composition optimized for potato crop rotation
- Best deep root development thanks to Oil Radish and Lupin components
- Application of farm-produced fertilisers (manure) possible in autumn*

Components (share of seed %)

- Oil Radish TOLEDO, multiresistant¹⁾ (58)
- False Flax (26)
- Bristle Oat (12)
- Lupins (4)

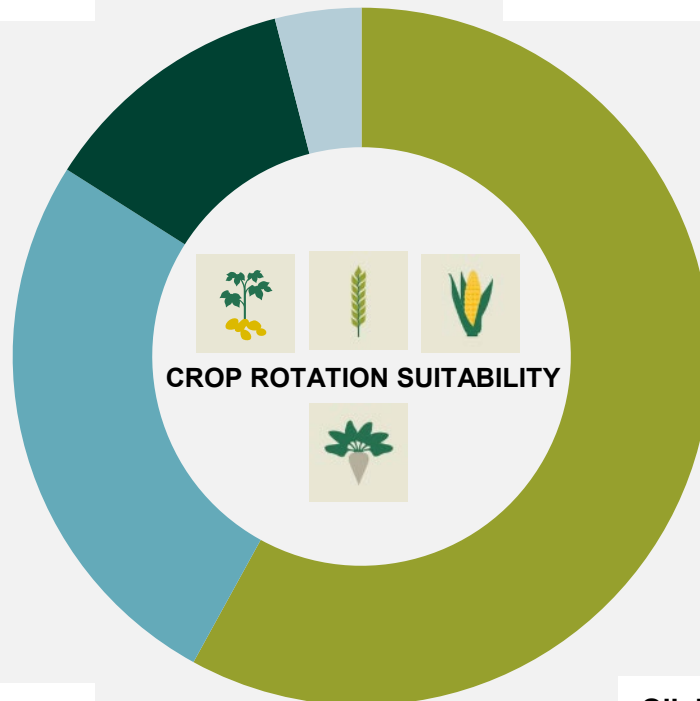


* Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

¹⁾ Against beet cyst nematodes (*Heterodera schachtii*), and root-knot nematodes (*Meloidogyne chitwoodi*), APS 2 of Federal Plant Variety Office

BRISTLE OAT
12%

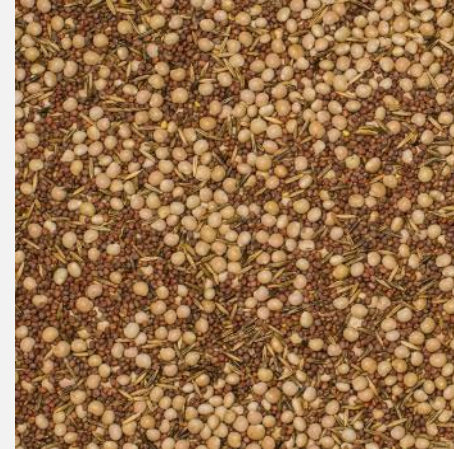
LUPINS
4%



FALSE FLAX
26%

OIL RADISH,
multiresistant¹
58%

Share of Legumes 4 %



¹) Against beet cyst nematodes (*Heterodera schachtii*), and root-knot nematodes (*Meloidogyne chitwoodi*), APS 2 of Federal Plant Variety Office

KWS Fit4NEXT

POTATOE



Things to know

Legume content in %:

4

Seeding rate recommendation:

For plant density:

For nematode reduction:

kg/ha:

30 - 35

35 - 40

kernels/m²:

170 - 200

200 - 230

Sowing time recommendation

July

August

September

October



ideal

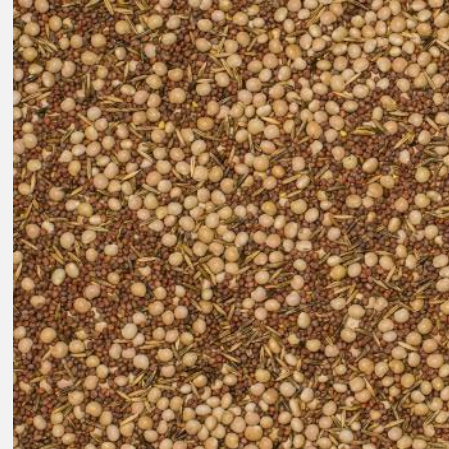


ok



possible

Share of Legumes 4 %

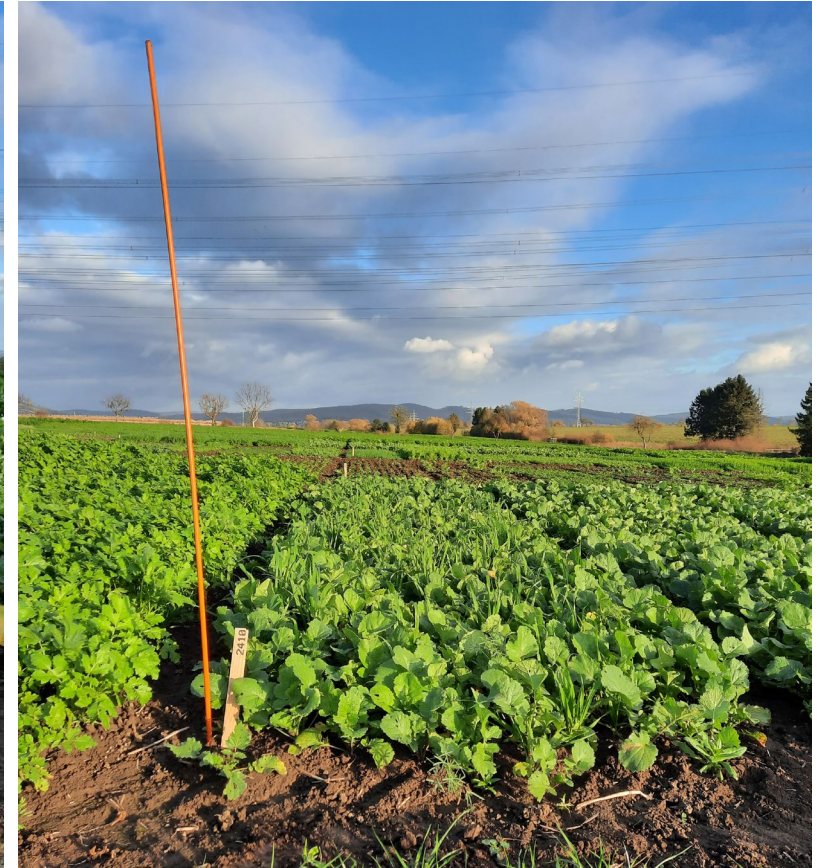




Early sowing date



Mid sowing date



Late sowing date

Advantages

- Component composition optimized for compatibility in potato crop rotation
- Clear advantages compared to other mixtures in case of low N availability
- Excellent rooting performance
- Oil Radish variety REAKTION KWS¹⁾ with APS 1 against *H. schachtii* and high biomass formation for rapid soil coverage
- Application of farm manure possible in autumn*

Components (share of seed %)

- Oil Radish KWS REAKTION, resistant¹⁾ (71)
- Spring Vetch (29)



* Taking into account the Fertilizer Ordinance in relation to previous crop and country-specific regulations..

¹⁾ Against beet nematodes (*Heterodera schachtii*), APS 1 of Federal Plant Variety Office

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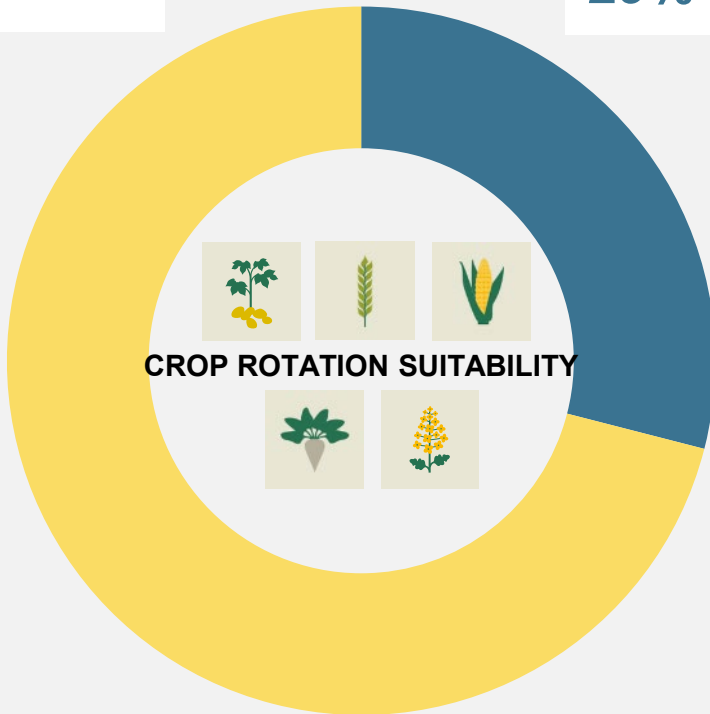
N-FIX FOR POTATOE

NEW



OIL RADISH,
resistant¹⁾
71%

SPRING VETCH,
29%



Share of Legumes 29 %



¹⁾ Against beet nematodes (*Heterodera schachtii*), APS 1 of Federal Plant Variety Office

KWS Fit4NEXt

N-FIX FOR POTATOE

NEW



Things to know

Legume content in %:

29

Sowing rate recommendation:

For plant density:

For nematode reduction:

kg/ha:

30 - 45

45 - 55

kernels/m²:

110 - 160

170 - 200

Sowing time recommendation

July

August

September

October



ideal



ok



possible

Share of Legumes 29 %

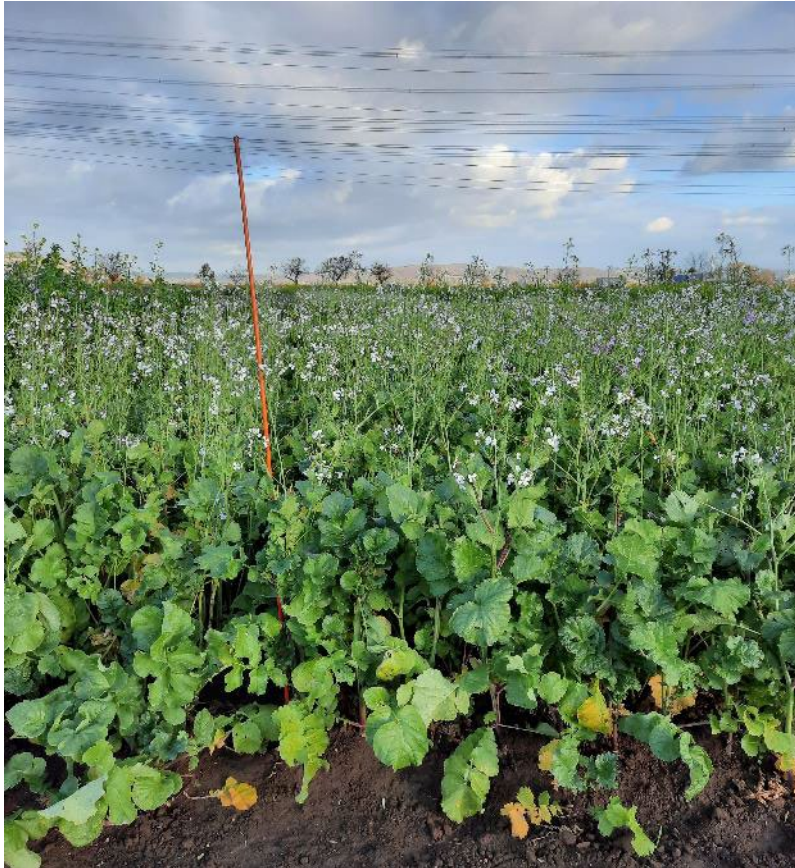


KWS Fit4NEXt

N-FIX FOR POTATOE

NEW

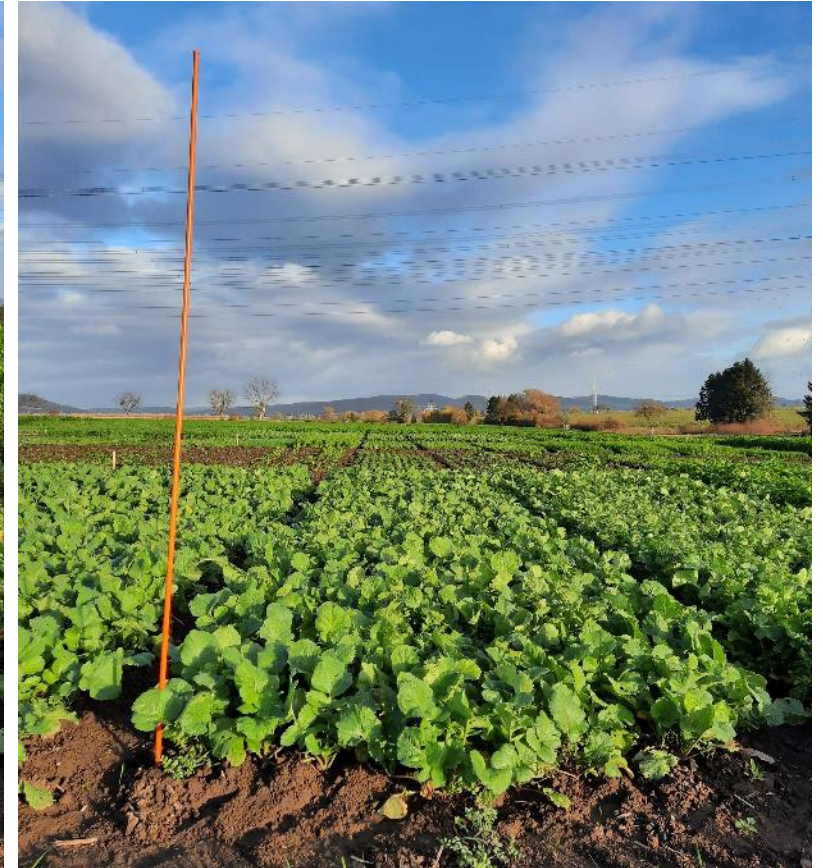
08.11.
21



Early sowing date



Mid sowing date



Late sowing date

Share of Legumes 29 %

Advantages

- Very high number of species, suitable for honey areas*
- Different root types for maximum root development
- Different species for nutrient binding and improvement of phosphate availability
- Promotion of biodiversity and soil life
- Application of farm-produced fertilisers (manure) possible in autumn**

Components (share of seed %)

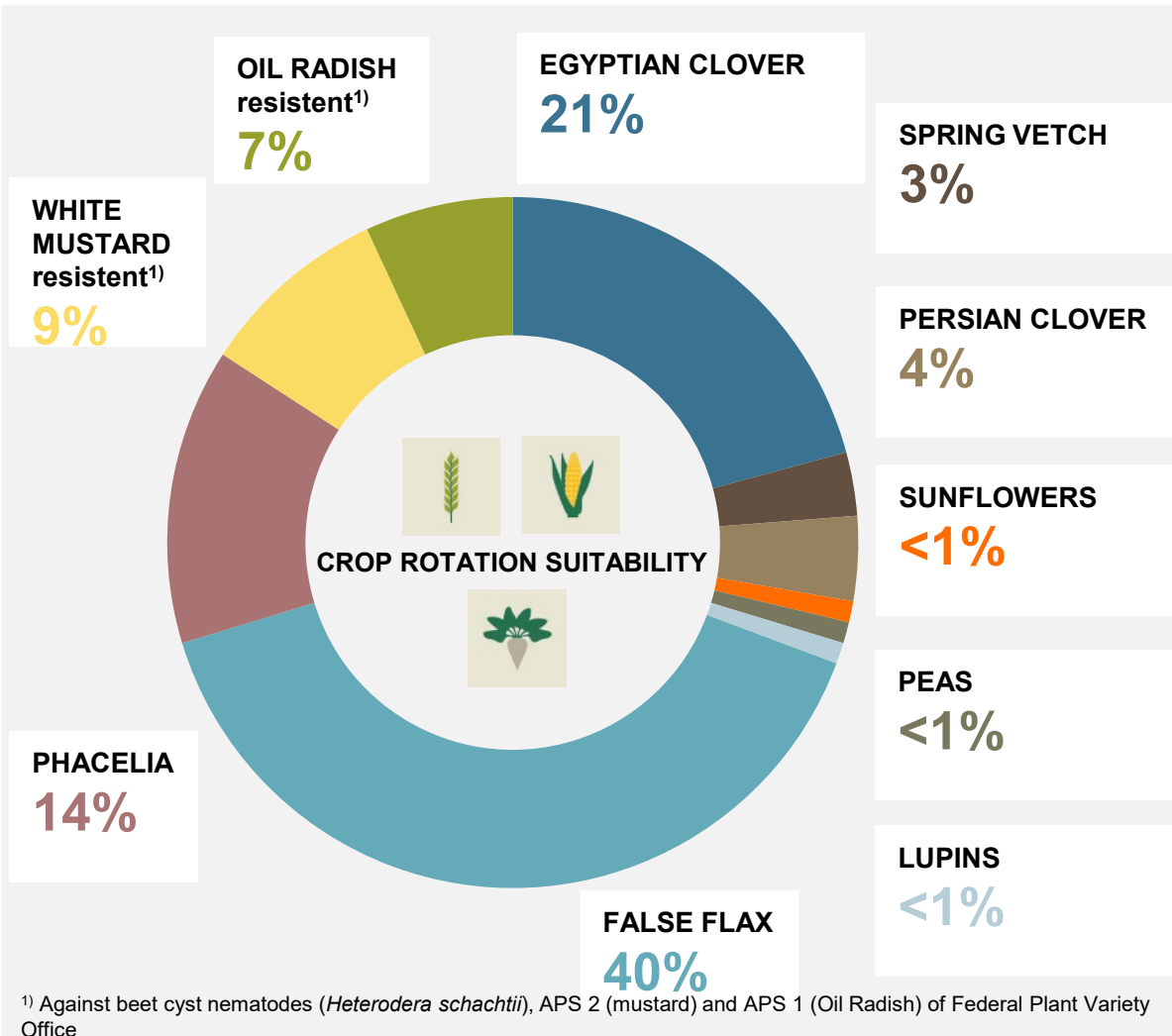
- | | |
|------------------------|---|
| ▪ Egyptian Clover (21) | ▪ False Flax (40) |
| ▪ Spring Vetch (3) | ▪ Phacelia MAJA KWS (14) |
| ▪ Persian Clover (4) | ▪ White Mustard SIMPLEX ¹⁾ (9) |
| ▪ Peas (1) | ▪ Oil Radish REAKTION KWS ¹⁾ (7) |
| ▪ Lupins (1) | ▪ Sunflowers (1) |



*According to Group A of the regulation implementing direct payments, Part 5

** Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

¹⁾ Against beet cyst nematodes (*Heterodera schachtii*), APS 2 (mustard) and APS 1 (Oil Radish) of Federal Plant Variety Office



Share of Legumes 29 %



Share of Legumes 29 %

A photograph of a field of yellow wildflowers, likely sunflowers, in bloom. The flowers are in various stages of development, with some fully open and others as buds. The background is a soft-focus landscape with trees and a clear sky.

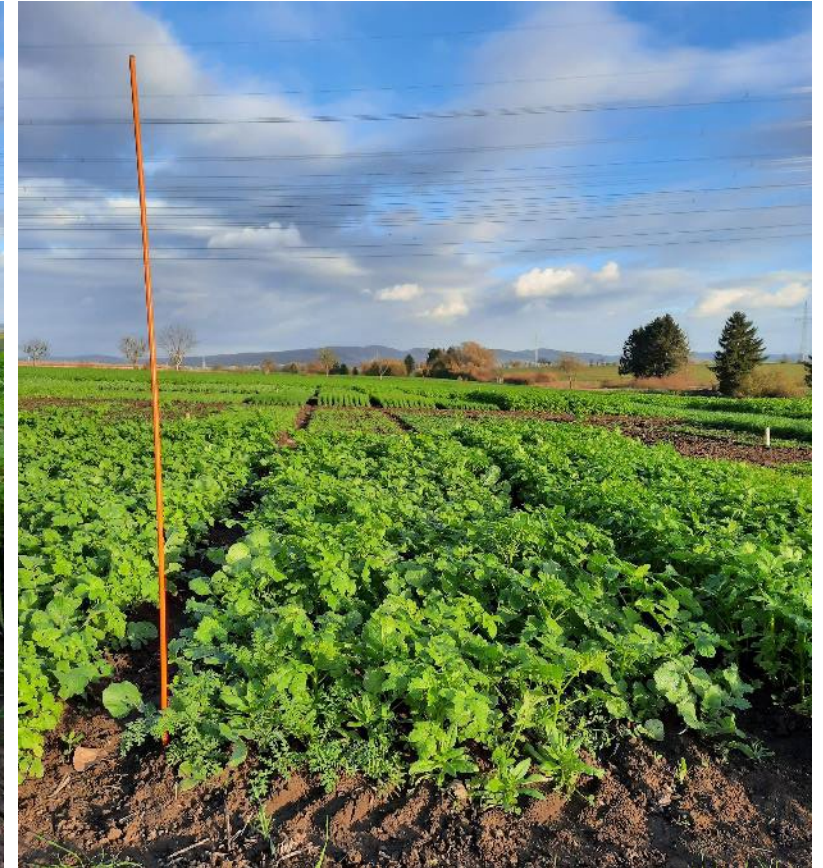
* Please take care about late frost risks



Early sowing date



Mid sowing date



Late sowing date

Advantages

- High storage of nutrients through good biomass growth
- Low nutrient leaching, e.g. for cultivation in water protection areas
- Application of farm-produced fertilisers (manure) possible in autumn*
- Rapid young plant development
-> good weed suppression
- Suitable for late seeding

Components (share of seed %)

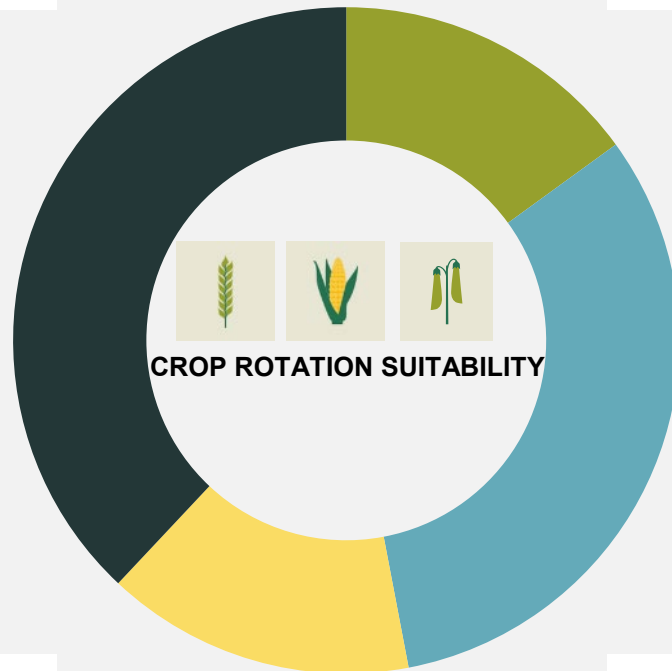
- White Mustard SECO (15)
- Oil Radish REGO (15)
- False Flax (32)
- Tartary Buckwheat DSCHINGIS KWS (38)



* Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

TARTARY
BUCKWHEAT
38%

OIL RADISH
15%



WHITE MUSTARD
15%

FALSE FLAX
32%

Share of Legumes 0 %



KWS Fit4NEXT

BIOMASS



Things to know

Legume content in %:

0

Seeding rate recommendation:

kg/ha:

21 - 28

kernels/m²:

180 - 260

Sowing time recommendation

July

August

September

October



ideal



ok



possible

Share of Legumes 0 %

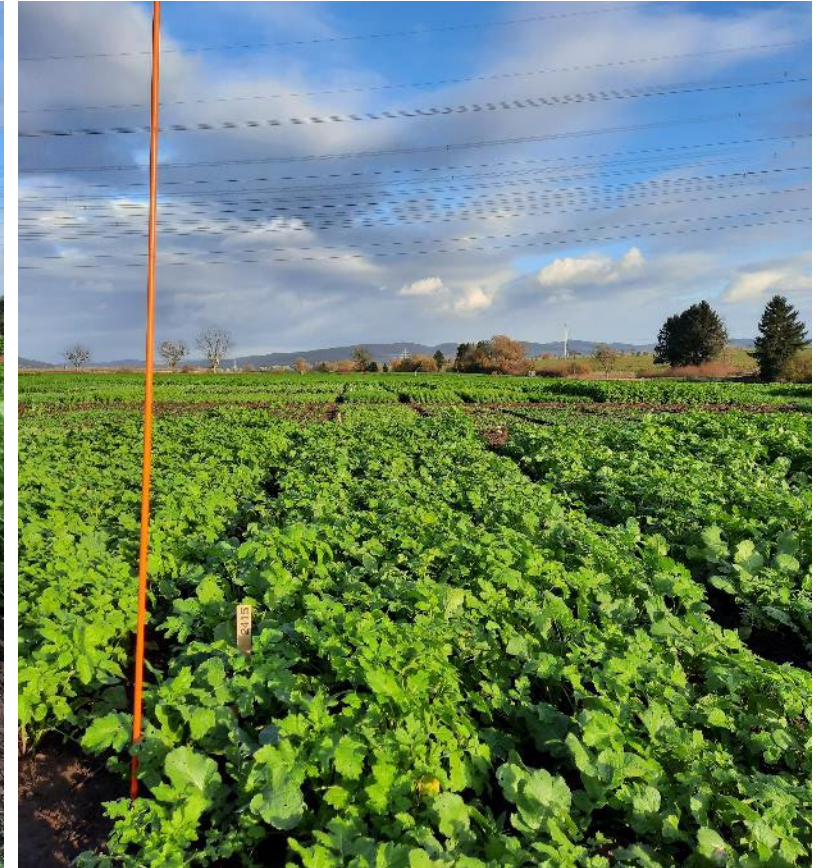




Early sowing date



Mid sowing date



Late sowing date

Advantages

- Good nutrient uptake ability
- Fast juvenile development
=> Outstanding weed suppression
- Strong root development in deeper soil layers
- Suitable for late seeding
- Application of farm-produced fertilisers (manure) possible in autumn*

Components (share of seed %)

- White Mustard SECO (44)
- Oil Radish REGO (56)



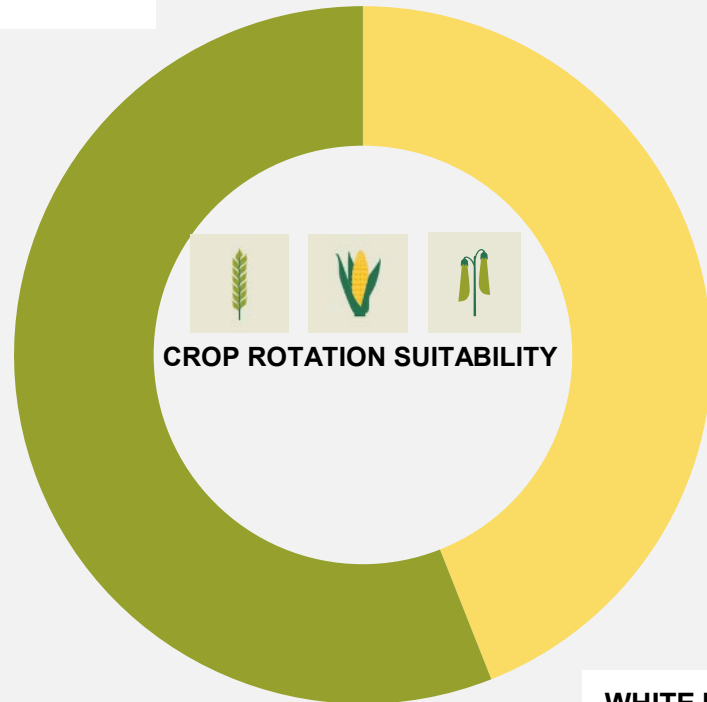
* Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

KWS Fit4NEXt

CATCH N COVER



OIL RADISH
56%



CROP ROTATION SUITABILITY

WHITE MUSTARD,
44%

Share of Legumes 0 %

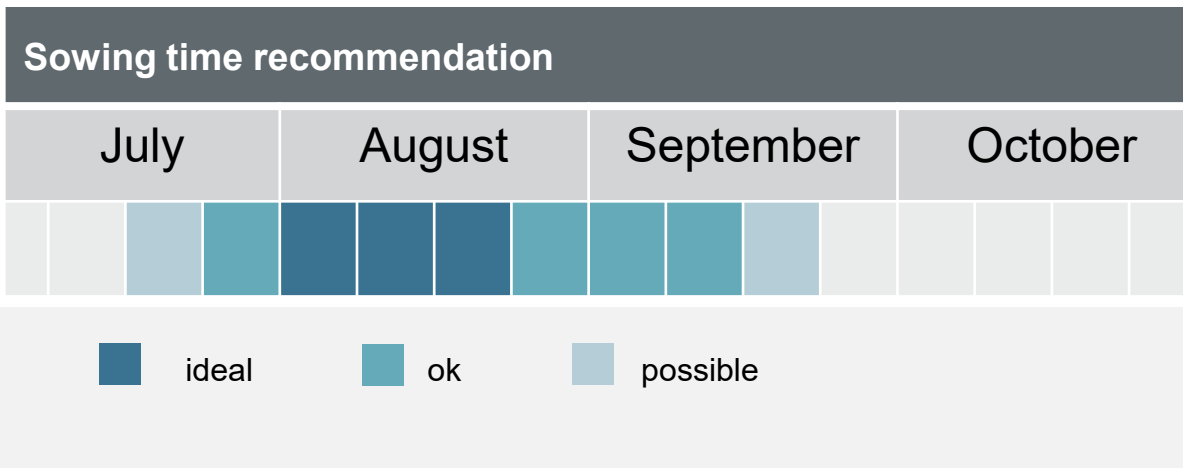


KWS Fit4NEXT

CATCH N COVER



Things to know	
Legume content in %:	0
Seeding rate recommendation:	
kg/ha:	13 - 18
kernels/m ² :	130 - 190



Share of Legumes 0 %





Early sowing date



Mid sowing date



Late sowing date

Share of Legumes 42 %

Advantages

- Potential double usage*: Greening-compatible and fodder reserve
- Hardy mix
- Continuous plant growth until spring: Better erosion protection and improved trafficability
- Promotes the formation of organic matter
- Application of farm-produced fertilisers (manure) possible in autumn**

Components (share of seed %)

- Italian Rye-Grass ADRINA (58)
- Red Clover (31)
- White Clover (11)

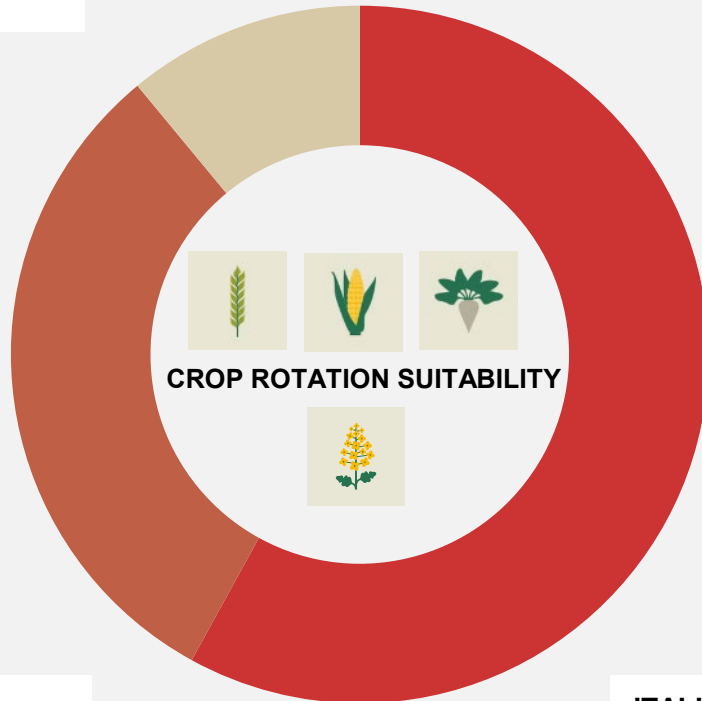


* Observe general and regional requirements for greening and plant usage!

** Taking into account the Fertiliser Application Ordinance with regard to previous crops and country-specific regulations

WHITE CLOVER

11%



RED CLOVER

31%

ITALIAN RYE-
GRASS

58%

Share of Legumes 42 %



KWS Fit4NEXT

GREEN FEED



Things to know

Legume content in %:

42

Seeding rate recommendation:

kg/ha:

28 - 33

kernels/m²:

770 - 930

Sowing time recommendation

July

August

September

October



ideal



ok



possible

Share of Legumes 42 %

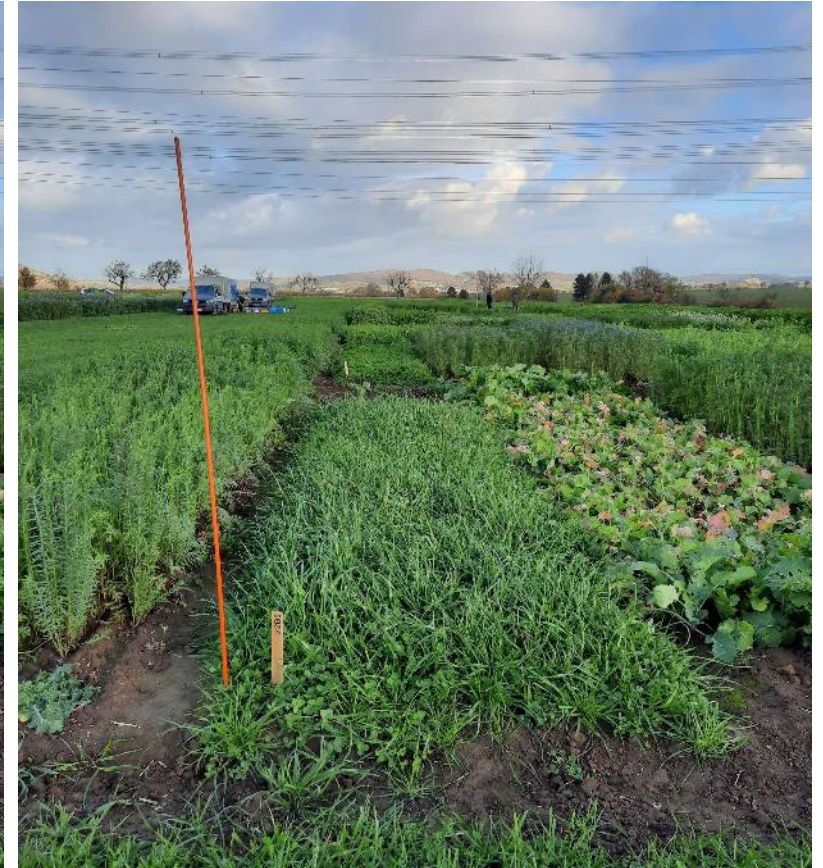




Early sowing date



Mid sowing date



Late sowing date

Advantages

- High N-uptake: suitable for Ground water protection areas
- Hardy mix
- Continuous plant growth until spring: Better erosion protection and improved trafficability
- Suitable for late seeding
- Good root development
- Application of farm-produced fertilisers (manure) possible in autumn*

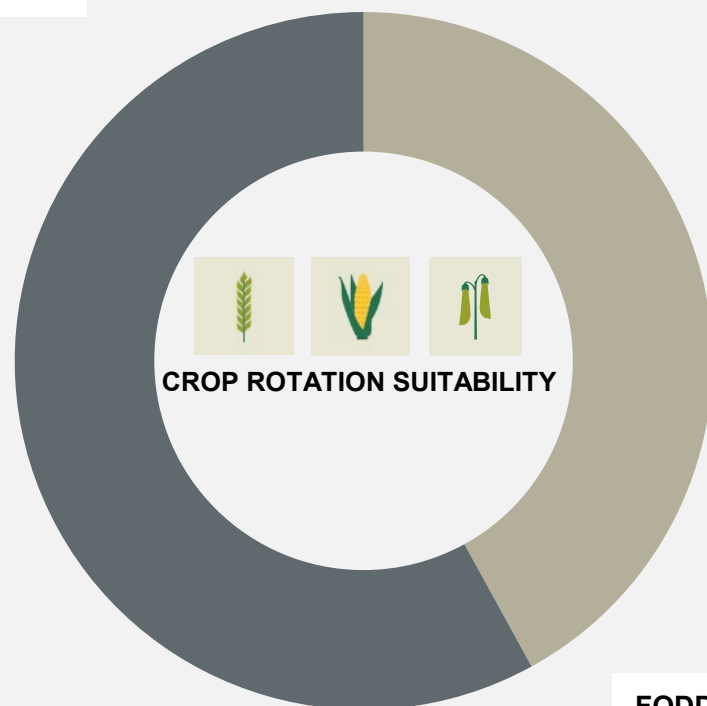
Components (share of seed %)

- Winter Turnip BUKO (58)
- Fodder Oilseed Rape (42)



* Observe general and regional requirements for greening and plant usage!

WINTER TURNIP
58%



FODDER OILSEED
RAPE
42%

Share of Legumes 0 %

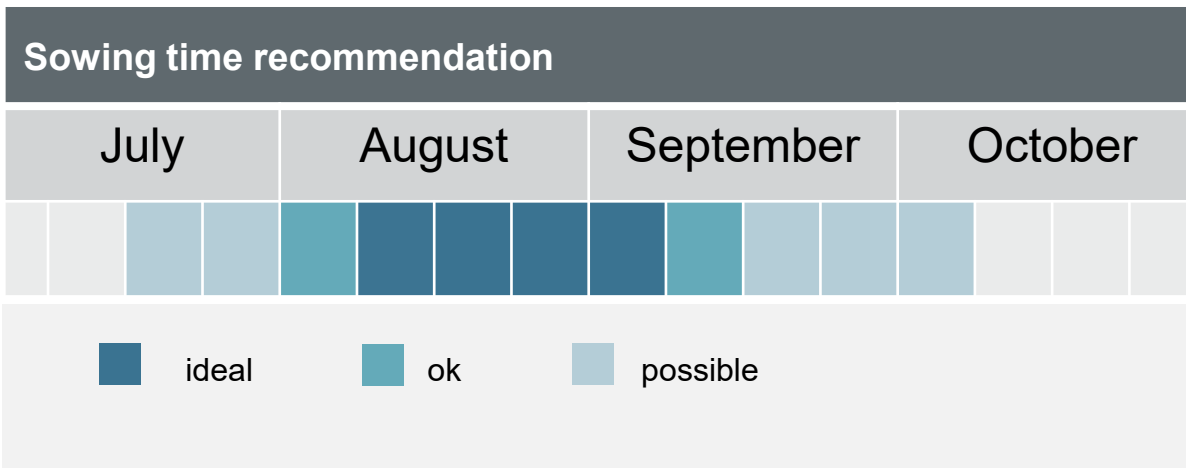


KWS Fit4NEXT

WINTER N-MIN



Things to know	
Legume content in %:	0
Seeding rate recommendation:	
kg/ha:	7 - 10
kernels/m²:	160 - 230



Share of Legumes 0 %

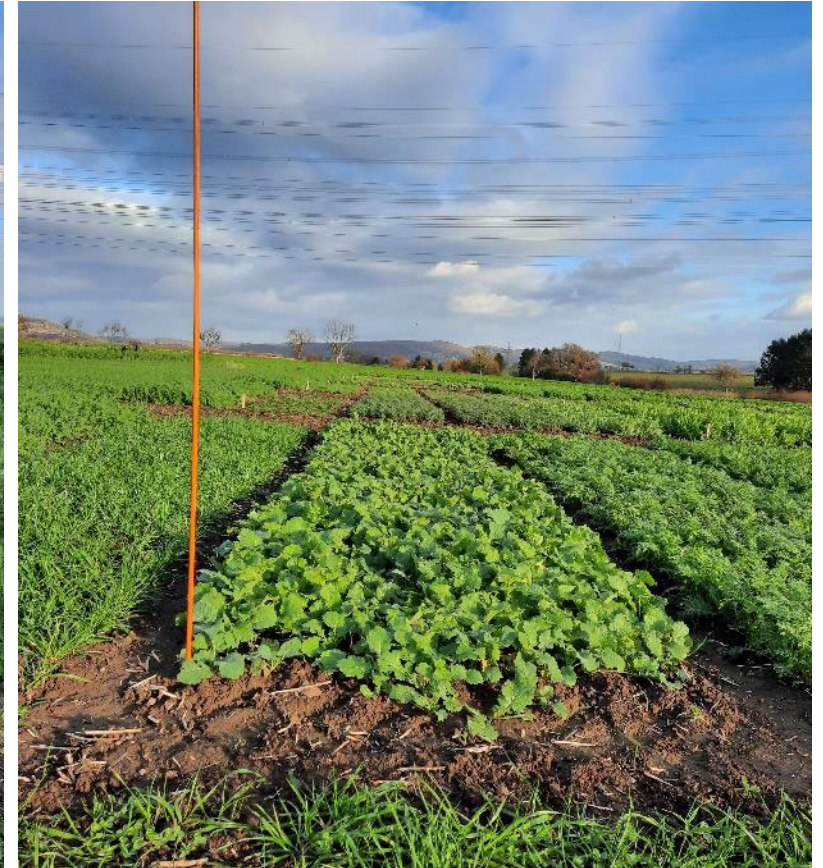




Early sowing date



Mid sowing date



Late sowing date

Seeding density and seeding time recommendation



KWS Fit4NEXT	recommend seeding density kg/ha																																																recommended seeding time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	45	50	55	60	65	70	75	80	85	Jul	Aug	Sep	Oct																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
N-FIX FOR OILSEED RAPE SK								[390-560]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

*The seeding density is calculated for ideal conditions in terms of soil moisture, seedbed preparation and seeding technique.

**Mixtures with nematode resistant White Mustard and Oil Radish varieties can reduce nematodes (*Heterodera schachtii*) with > 160 plants/m².

(Source: KWS, 2023)

KWS Fit4NEXt

Overview Portfolio – share of weight %



KWS Fit4NEXt

Egyptian Clover
Peas
White Mustard
Incarnat Clover
False Flax
Blue Lupins
Flax
Oil Radish
Persian Clover
Phacelia
Ramtilla
Bristol Oat
Red Clover
Spring Vetches
Seradella
Sunflower
Tatarian Buckwheat
White Clover
Italian Ryegrass
Winter Oilseed Rape
Winter Turnips

Source: KWS 2023

share of weight in %

N-FIX FOR OILSEED RAPE	OILSEED RAPE	N-MAX FOR OILSEED RAPE	BEET	BEET RADISH FREE	N-FIX FOR BEET <small>NEW</small>	POTATOE	N-FIX FOR POTATOE <small>NEW</small>	DIVERSITY	BIOMASS	GREEN FEED	WINTER N-MIN	BEET MUSTARD FREE	CATCH N COVER	N-FIX FOR OILSEED RAPE
20		9			2			9						28
					57			18						
			27*	83*	29*			9*	9				27	
		3												5
						2		7	4					
						41		12						
51	33	6												19
			73*			42**	34*	12*	17			90*	73	
		4						1						
15	8	6		17				4				10		17
14	4	4												14
	55					15								
										17				
		67			12		66	24						17
		1												
								5						
									70					
										2				
										81				
											48			
											52			

*Nematoden resistant variety (*H. schachtii*) ** Nematoden resistant variety ((*H. schachtii* & *Meloidogyne chitwoodi*)

KWS Fit4NEXt

Overview Portfolio – share of seed %



KWS Fit4NEXt

Shares of seed in %															
	N-FIX FOR OILSEED RAPE	OILSEED RAPE	N-MAX FOR OILSEED RAPE	BEET	BEET RADISH FREE	N-FIX FOR BEET NEW	POTATOE	N-FIX FOR POTATOE NEW	DIVERSITY	BIOMASS	GREEN FEED	WINTER N-MIN	BEET MUSTARD FREE	CATCH N COVER	N-FIX FOR OILSEED RAPE SK
Egyptian Clover	24,9		22			20			21,4						34
Peas						8			0,6						
White Mustard				44*	58*	58*			9	15				44	
Incarnat Clover			7												5
False Flax							26		40	32					
Blue Lupins							4		0,5						
Flax	27	35	6												10
Oil Radish				56*			58**	71*	7	15			58*	56	
Persian Clover			25						3,9						
Phacelia	28,1	30	22		42				14				42		30
Ramtilia	20	16	10												20
Bristel Oat		19					12								
Red Clover											31				
Spring Vetches			6			14		29	3						1
Seradella			2												
Sunflower									0,6						
Tatarian Buckwheat										38					
White Clover											11				
Italian Ryegrass											58				
Winter Oilseed Rape												42			
Winter Turnips												58			
Share of legumens %	24,9	0	62	0	0	42	4	29	29	0	42	0	0	0	40
Share of cruciferes %	0	0	0	100	58	59	84	71	56	62	0	100	58	100	0
BCN reduction ¹⁾	0,0	0	0	+	+	+	+	+	-	-	0	-	+	-	0
Reduction of Tabak-Rattle-Virus (TVR) (corky ring spot in Potatoes) ¹⁾	-	-	-	-	-	-	+	+	-	-	-	-	-	-	-
reduction of clubroot ¹⁾	0,0	0	0	-	-	-	-	-	-	-	0	-	-	-	0
usable for	G/E	G/E/W	G/E	G/E/W	G/E	G/E	G/E	G/E	G/E	G/E	G/E/F	G/E/W/F	G/E	G/E/W	G/E
seeding depth in cm	2-3	2-3	2-3	2-3	2-3	2-3	2-4	2-4	2-4	2-3	1-2	2-3	2-3	2-3	2-3

Source: KWS 2023

*Nematoden resistent variety (*H. schachtii*) ** Nematoden resistent variety (*H. schachtii* & *Meloidogyne chitwoodi*)

G = Green malure; E = Erosion protection; W = Water protection; F = Feeding

¹⁾ 0 = neutral; + = positiv; - = negativ