



Mas 85.SU

MID EARLY | LINOLEIC

ALTERNATIVE SOLUTION FOR WEED CONTROL



- **TOLERANT TO TRIBENURON METHYL**
Efficient post-emergence weed control
- **OUTSTANDING YIELD**
Stable and reliable
- **EXCELLENT SANITARY PROFILE**
Mildew RM9, sclerotinia and phomopsis tolerance



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HYBRID DESCRIPTION

PRODUCT ID

Registration: 2015 Romania
 2016 Ukraine
 2017 Russia

Maturity: Mid early
 Type: Linoleic

CHARACTERISTICS

Flowering: Mid late
 Plant height: High
 Head shape: Convex
 Head position: Inclined
 TKW: 52-58 g
 Oil content: 46-47 %

AGRONOMY

Early vigor: 8
 Lodging: 7
 Orobanche: E
 Mildew: RM9
 Phomopsis: 8
 Sclerotinia (head): 8
 Sclerotinia (stem): 8
 Verticillium: 8

COMPETITOR COMPARISON

	Mas 87.IR	Mas 85.SU	P64LE25
Plant height (cm)	-20	0	0
Flowering (days)	-2	0	-1
Oil content (%)	48	46	45,5
TKW (g)	54	56	55



1-3 sensitive | 4-6 good | 7-9 tolerant / excellent





WHAT IS TRIBENURON METHYL (TBMT)?

- TRIBENURON METHYL (TBMT) is an herbicide active ingredient which comes from sulfonylurea family (B group in the HRAC classification). This chemical has an inhibition action on acetolactate synthetase enzyme (ALS) of a large range of plants.
- The target (ALS) is the same than for imidazolinon herbicides but efficiency weeds spectrum is different.
- Tribenuron methyl is particularly efficient to control difficult broadleaf weeds in sunflower fields. Nevertheless this solution doesn't allow a good control of grass weeds.
- /!\ TRIBENURON METHYL chemicals should be sprayed after sunflower 2-leaves stage only on tolerant sunflower hybrids. Ask chemical retailer to adapt dosis before spraying.

ADVANTAGES FOR FARMERS:

- ✓ **Alternative and flexible weed control after sunflower emergence.**
- ✓ **Different herbicide spectrum compared with Clearfield to control some broadleaf weeds like thistle (Cirsium A.), and bindweed (Convolvulus A.).**



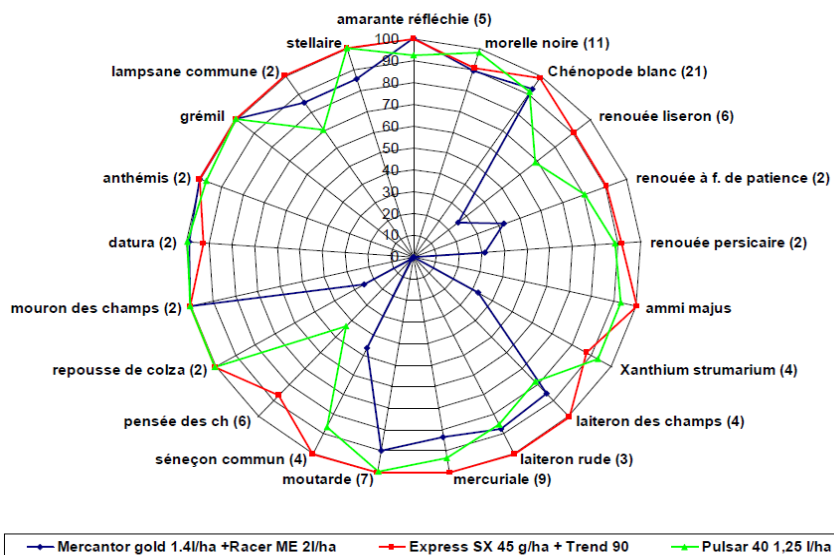


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TRIBENURON METHYL EFFICIENCY

Comparison - Express SX and Pulsar 40 efficiency



Efficiency on 7 difficult weeds	Best pre-emergence herbicides	Pulsar40 – 1,25 L/ha	ExpressSX 45 g/ha* + Trend90 0,1%
Ambrosia A.	Medium or irregular	Good and regular	Good and regular (at 60 g/ha* + Trend)
Datura S.	Good and regular	Very good	Very good
Convolvulus A.	Medium or irregular	Good and regular	Very good
Bidens P.	Medium or irregular	Very good	Very good
Xanthium	Not efficient	Very good	Good and regular
Wild sunflower	Not efficient	Good and regular	Good and regular
Cirsium A.	Not efficient	Not efficient	Good and regular

→ Dosis of formulated herbicide
(50% Tribenuron methyl active ingredient)

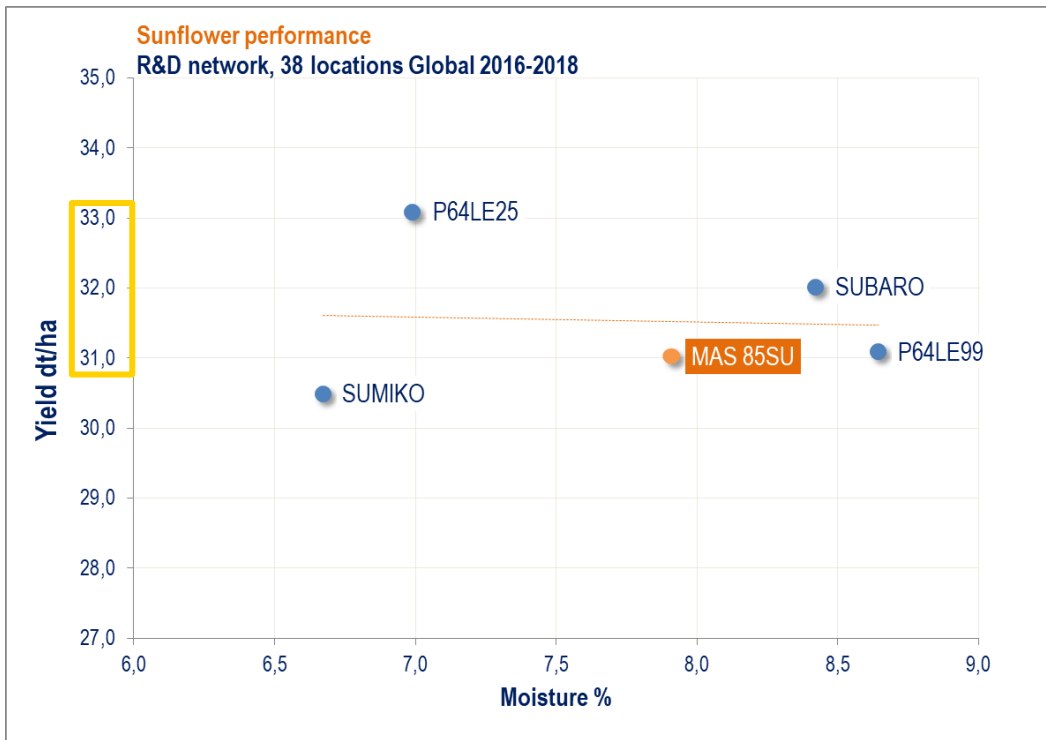




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OUTSTANDING YIELD



- ✓ Goods results for 3 years
- ✓ Heart of precocity group
- ✓ With best competitors (<0,2T)

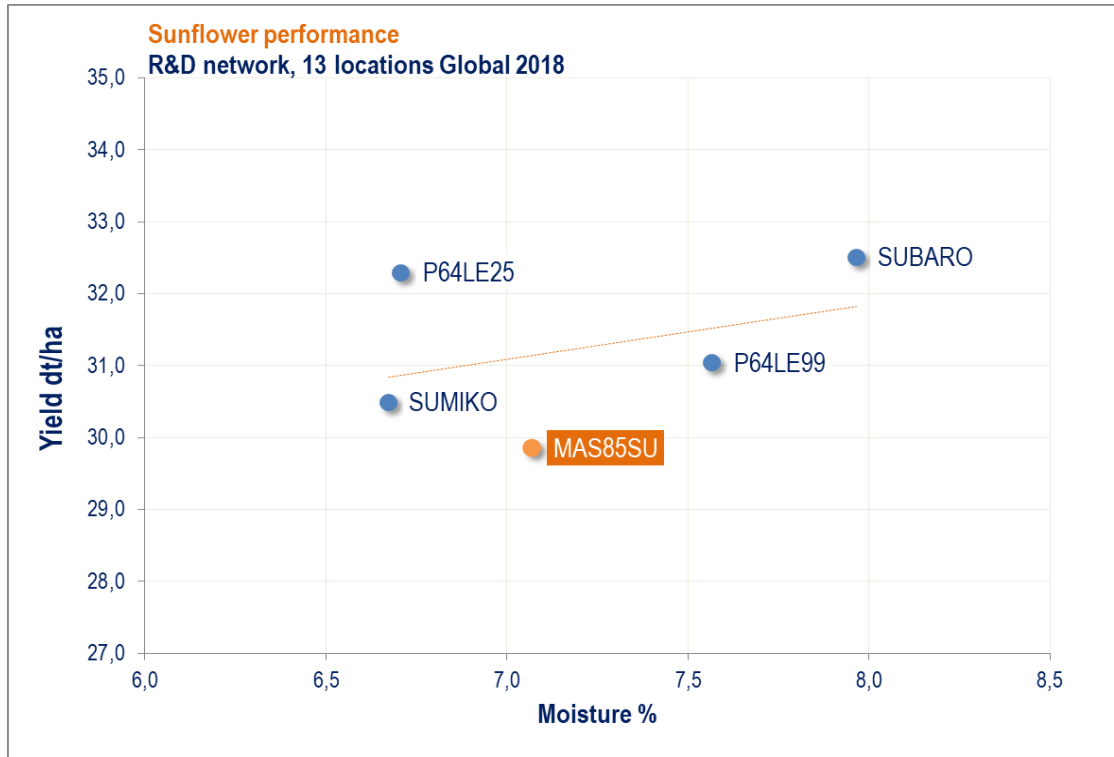




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OUTSTANDING YIELD R&D network Europe 2018



✓ Its late flowering reduce its yield potential this year





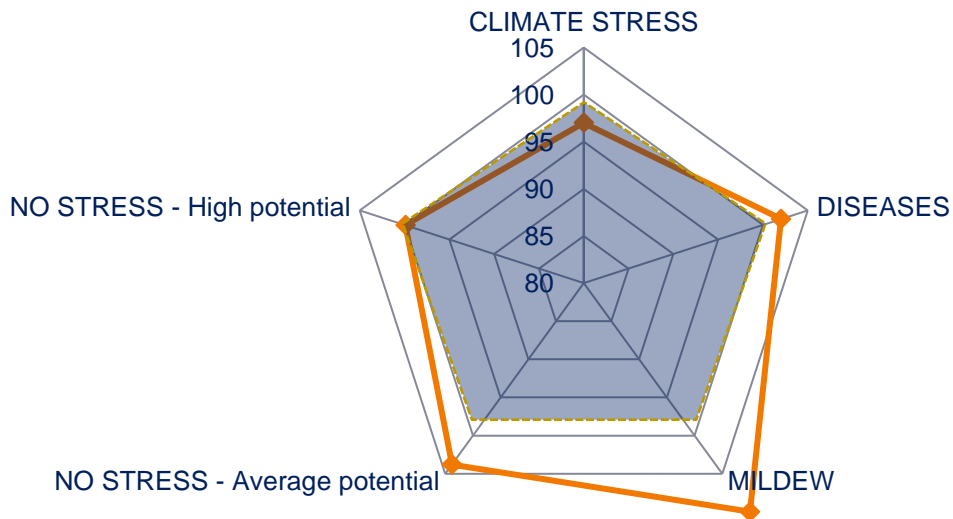
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EXCELLENT SANITARY PROFILE

Mas 85.SU evaluation in stressful conditions (%yield vs average trail)

R&D network 2015-2017



✓ Interesting advantages under diseases and mildew pressure





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OIL CONTENT STABILITY

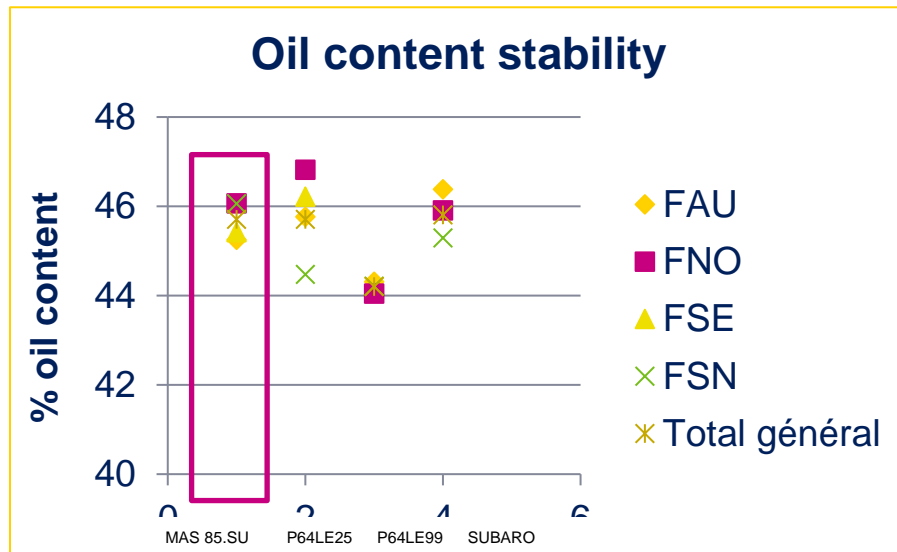
Oil content (%) at market standards (9% H2O + 2% impurity)

R&D network 2016-18, 9 locations Global

	Oil content (9% H2O + 2% impurity)
SUBARO	45,8
MAS 85.SU	45,7
P64LE25	45,7
P64LE99	44,2

✓ Oil bonus compare to market standards

✓ +1-2% oil bonus



✓ One of most regular hybrid for oil content

✓ Security for oil collector





 ANNEX

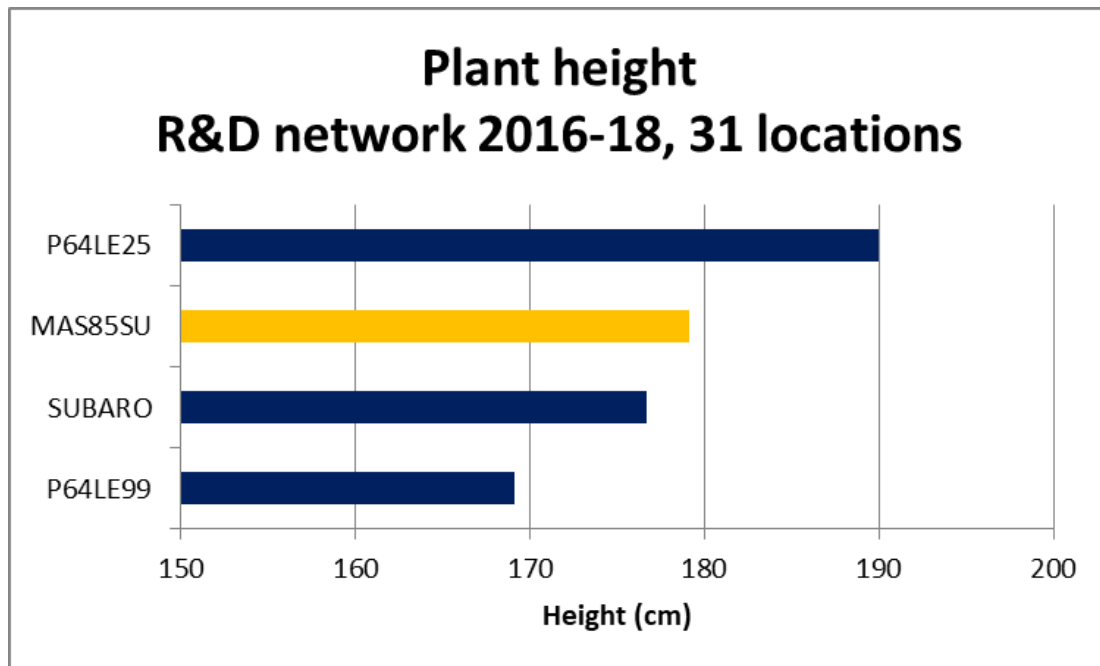




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PLANT HEIGHT



- ✓ Plant size for TBMT hybrids in tall in general
- ✓ MAS 85.SU isn't taller than TBMT competitors



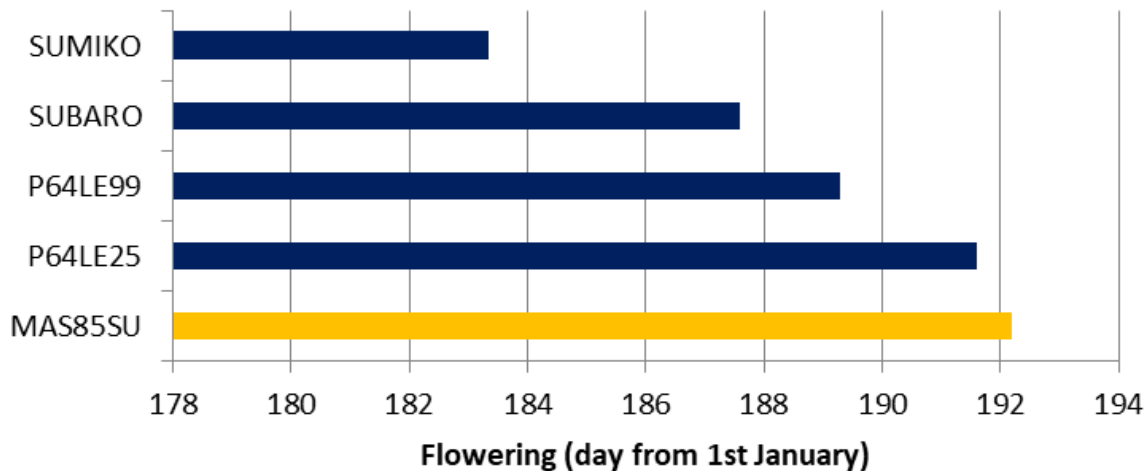


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FLOWERING DATE

Flowering date R&D network 2016-18, 14 locations



✓ The latest flowering date in TBMT market



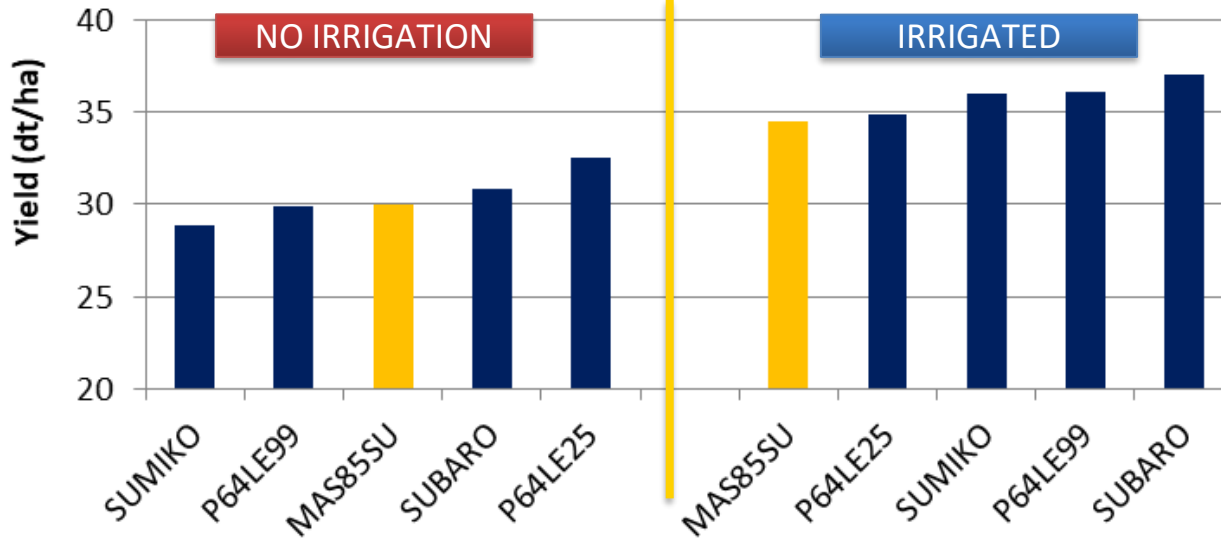


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WATER SUPPLY ADAPTATION

Performance according to irrigation R&D network 2016-18, 38 locations



- ✓ Excellent regularity under rainfall conditions
- ✓ Good behavior under irrigated conditions (close best hybrids (<0,2T/ha))

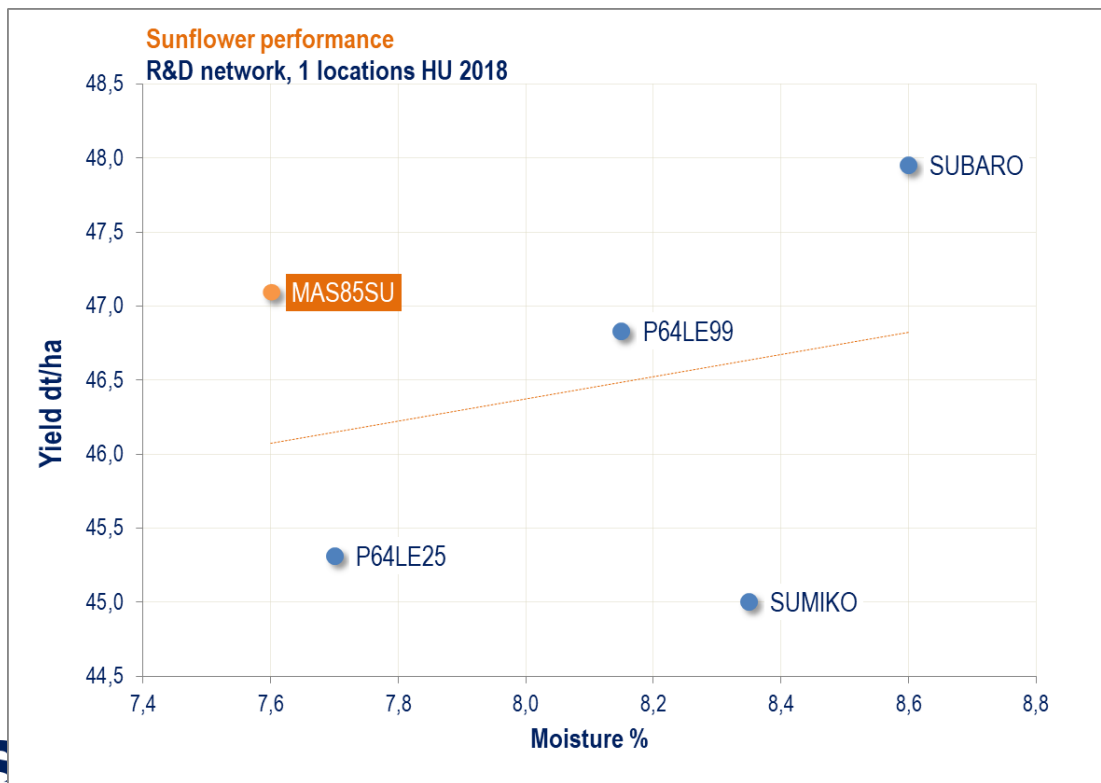




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OUTSTANDING YIELD R&D network Hungary 2018



✓ The best couple yield/precocity

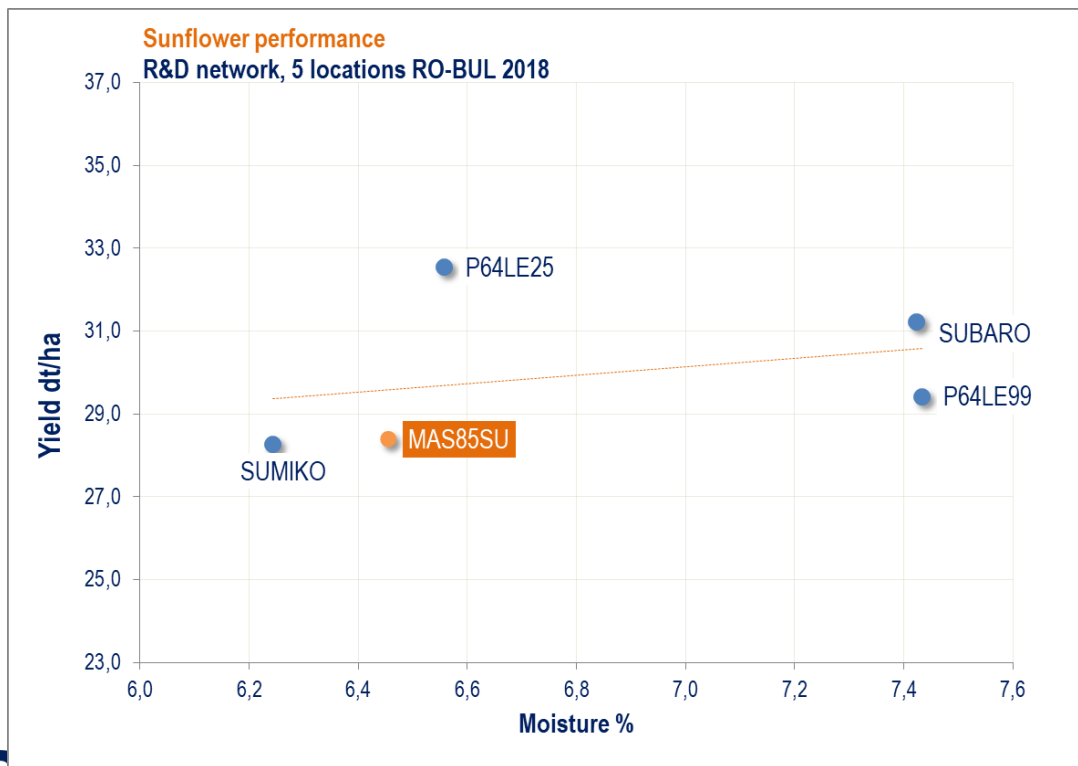




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OUTSTANDING YIELD R&D network Romania-Bulgaria 2018



- ✓ **Good adaptation** in the head of the segment
- ✓ **This year, its late flowering** reduces the yield potential





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OUTSTANDING YIELD French commercial network 2015-2017

SYNTHESE

Mas 85SU
 Moyenne de l'essai
 Nbre d'essais (pris en compte dans le calcul)

Rdt net (q/ha)

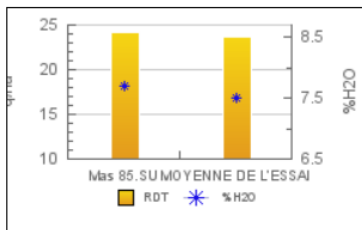
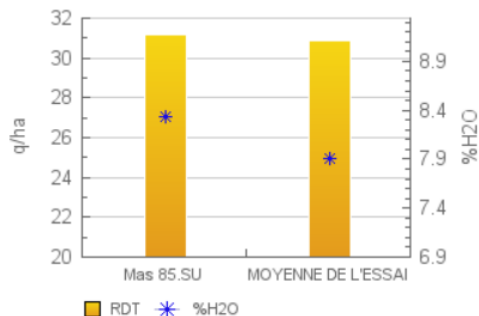
31,16
 30,88
 104

Hté (%H2O)

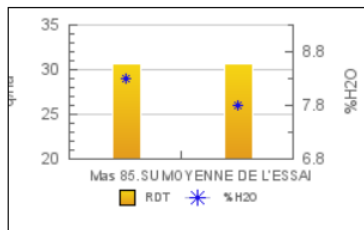
8,32
 7,88
 104

Huile (%)

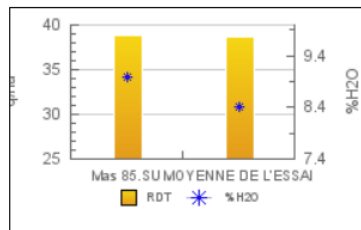
46,80
 45,22
 3



Potentiel bas



Potentiel moyen



Potentiel haut

Oil bonus:

+1,6% vs commercial standards

Yield:

performance and regularity in all field potentials





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ADAPTABILITY

Performance according to field potential R&D network 2016-18, 37 locations

