



MAS576N

LATE | GRAIN

NEW

BIG YIELDY FAO500



- **HIGH YIELD PERFORMANCE**
On FAO500 market
- **DISEASE RESISTANCE**
To secure potential
- **HIGH YIELD STABILITY**
On all situations



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- **GENETIC CONTEXT:**
 - This construction is a balance between 2 parents which bring Océanic & Continental adaptation in the same hybrid.
 - A balance between potential & agronomy in a developed stable plant .
- **YIELD POTENTIAL**
 - FAO500 the market, with the biggest yield objective.
 - The market with big changes & improvement these last years.
 - MAS576N is at the top level of the performance offered on this market.
- **DISEASE RESISTANCE**
 - Developed plant with green leaves and stem until harvest.
 - Very good fungus profile to keep harvest safe.
- **YIELD STABILITY**
 - MAS576N has reached big performances in all territories and types of soil from the deep valley to the sandy plain.
 - Good performances in different sowing date too but target early sowing to maximize potential of this flex hybrid.
- **MARKET POSITIONING**
 - All FAO500 market with OBJECTIVE YIELD.
- **COMPETITORS:**
 - P0937, P0837, P0900
 - RGT MEXPLEDE, SYSANDRO
 - DKC5685 DKC5404, DKC6050
 - KEFIEROS KONTIGOS.





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HYBRID DESCRIPTION

IDENTITY.....

Registration: 2022 UE
Maturity: LATE
Use: Grain

CARACTERISTICS.....

Plant height : High
Ear insertion: High
Type of grain : Dent
Nr of rows: 16
Nr of grains per row: 38 - 40
TKW: 360 Gr
Flowering(°C) : 1 015 °C

Grain maturity 32% H2O: 1 990 °C

AGRONOMY.....

Early vigor: 7
Stay green : 8
Drydown: 7
Helminthosporium : 8
Fusarium (plant): 8
Fusarium (ear): 7
Lodging: 7
Drought tolerance: 6

FEED VALUE.....

Energy: 7
% Starch: 8
dNDF: 7
Biogas: 8

COMPARISON CHECKS

	SY SANDRO	MAS576 N	P0937
Plant height (cm)	261	274	238
Ear insertion (cm)	147	152	132
Flowering (days)	-1	0	-2,3

POSITIONNING TYPE of SOIL

	OPTIMAL	COLD	FILTER
Adaptation	++++	++++	++++

SOWING RECOMMENDATION

	OPTIMAL CONDITIONS	LIMITED CONDITIONS
Adaptation	++++	+++
Density (Grain)	75-85 000	70-80 000



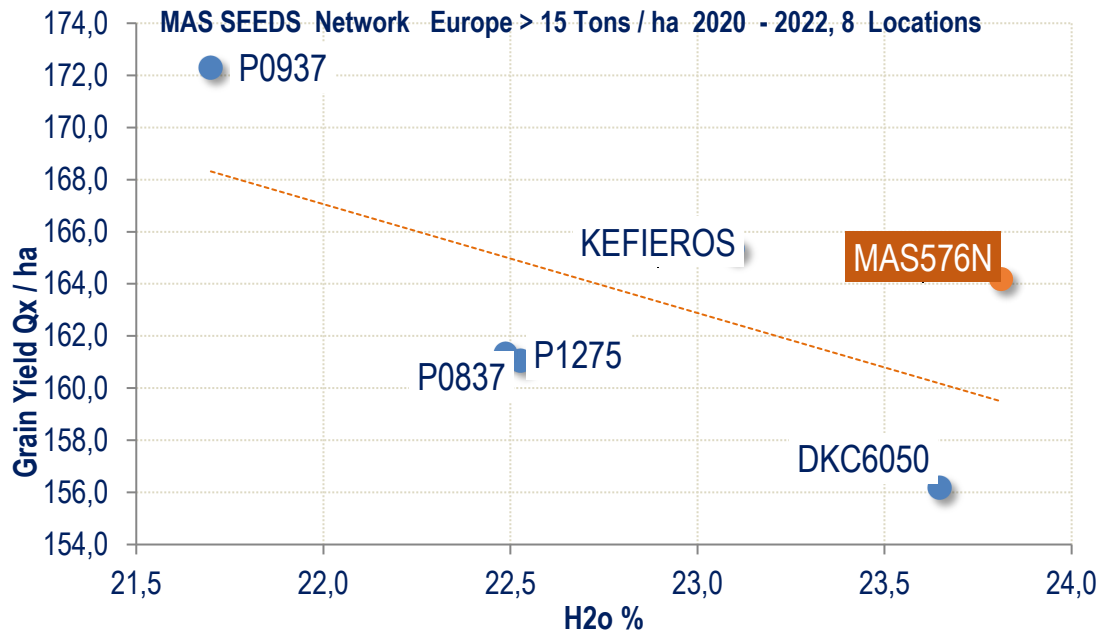


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BIG POTENTIAL YIELD

Maize Grain result



- In very productive areas, MAS576N is at the top of the market in FAO500

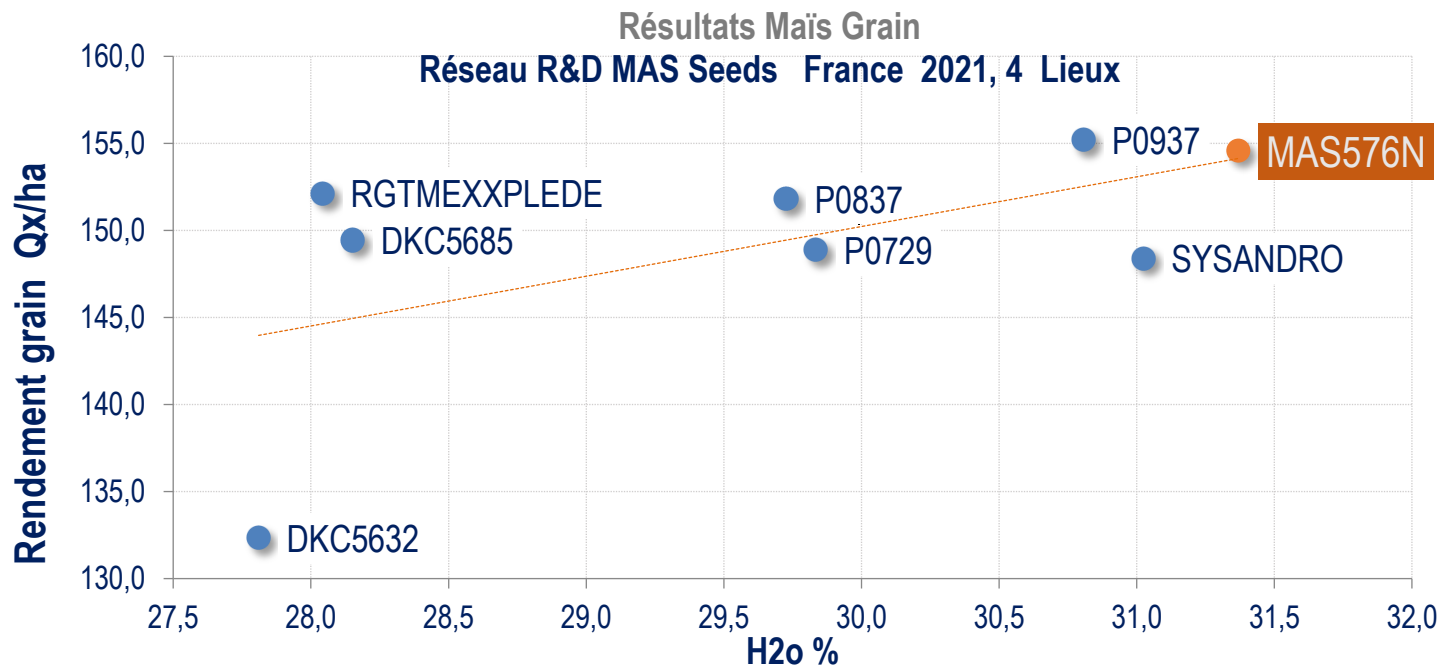




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France 2021 GROSSES PERFORMANCES



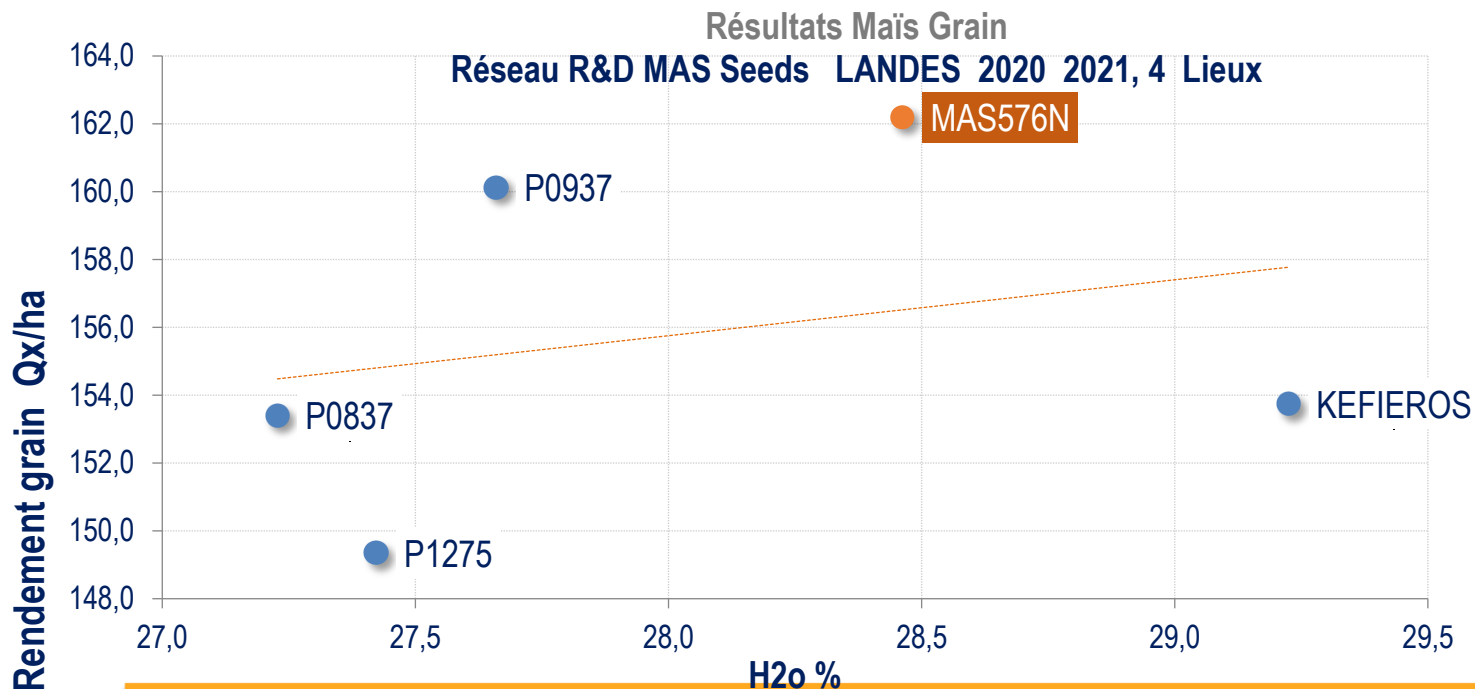
- 4 Lieux fort potentiels
- Moissac Souprosse Saint Martin Liposthey



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France 2020 2021 GROSSES PERFORMANCES



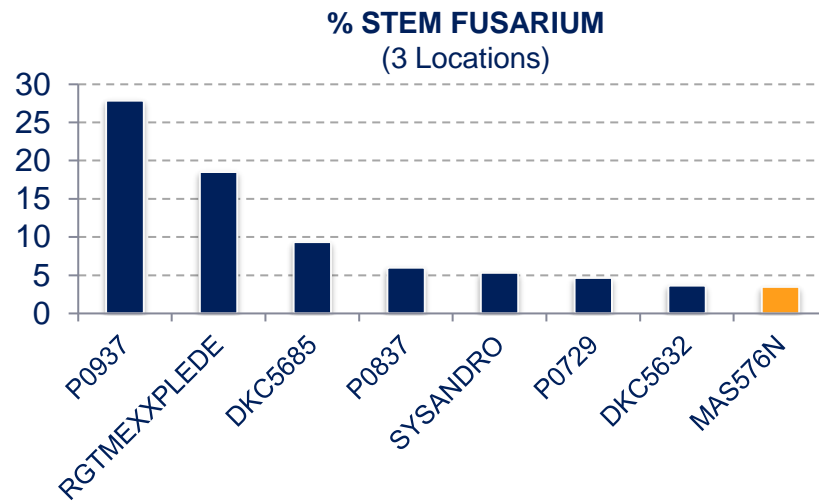
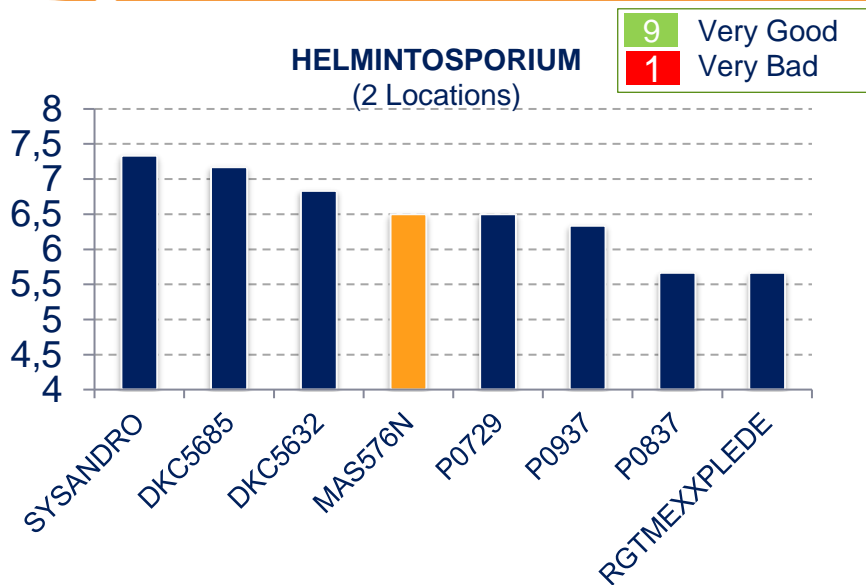
- 2 Lieux fort potentiels en 2020 et 2021
- Souprosse Saint Martin



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HEALTHY PLANT



- Good plant quality regarding leaves and stem



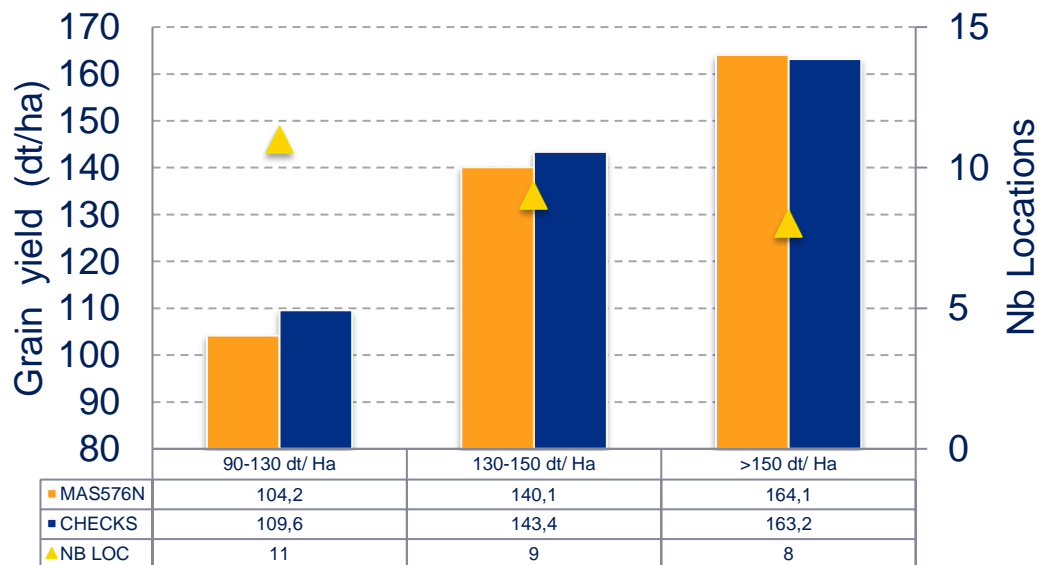


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HIGH YIELD STABILITY

Grain Yield potential evolution



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CHECKS
Nb locs

- Hybrid for situations > 13 Tons
- To use in deep soils with good availability of water or in irrigated situations.





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ANNEXES

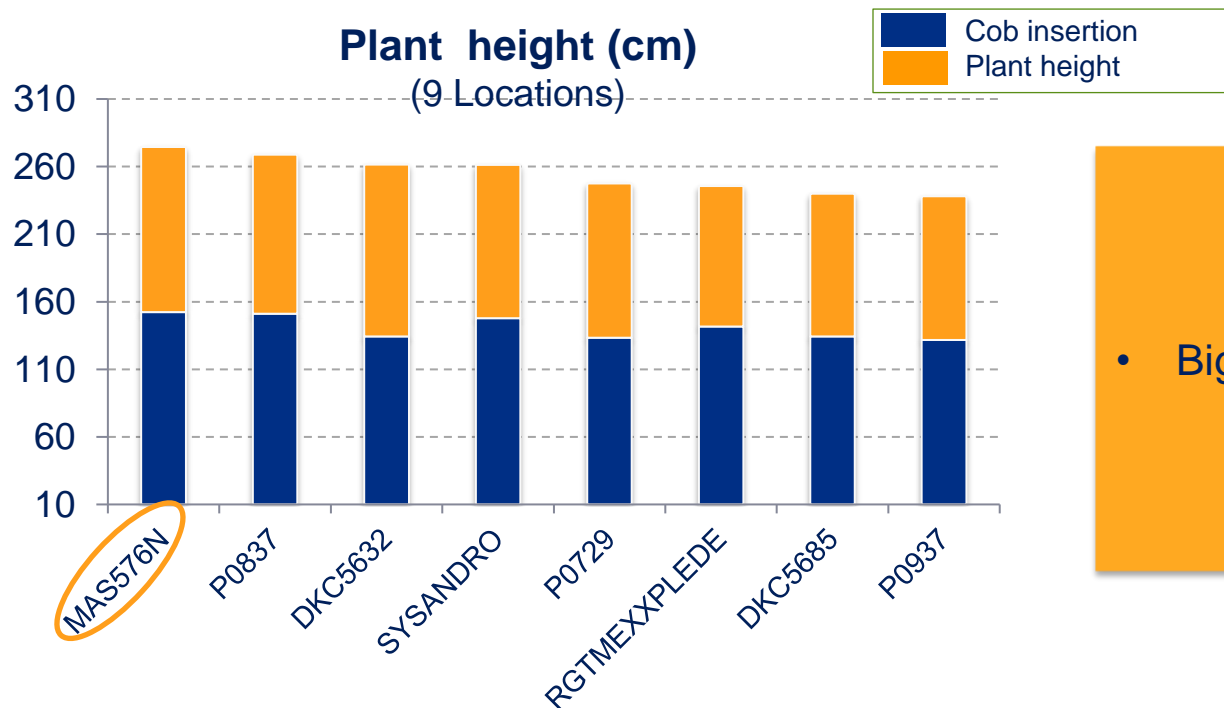




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BIG PLANT SIZE



- Big green plant with yield





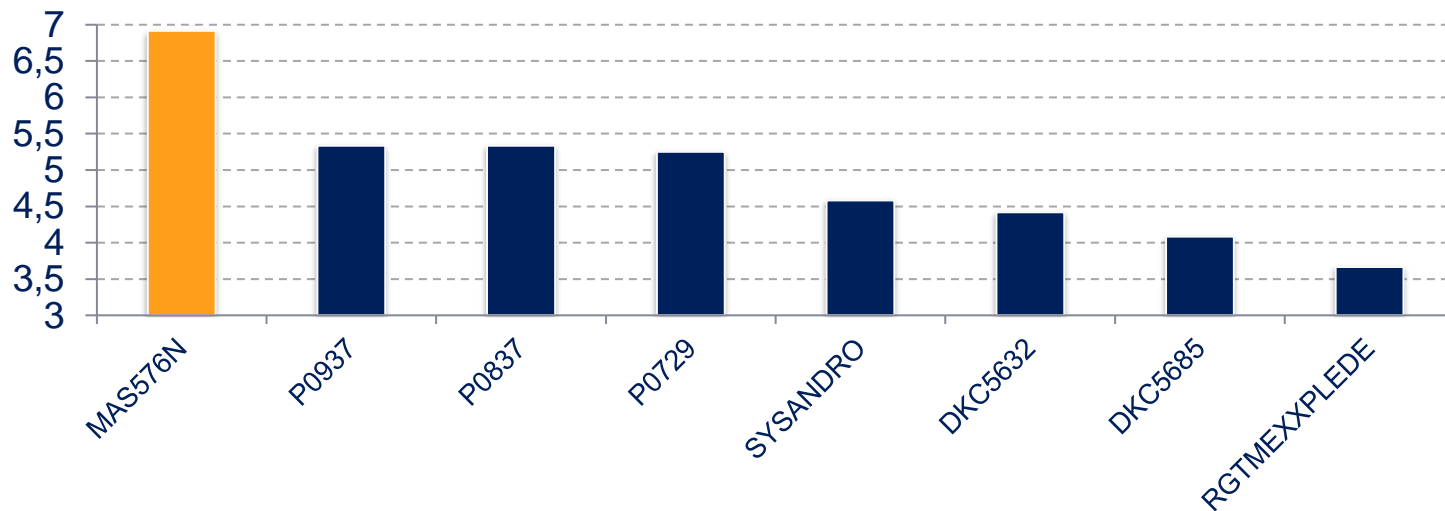
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VERY STAY GREEN

STAY GREEN
(7 Locations)

9	Very Good
1	Very Bad



- **BIG GREEN PLANT**

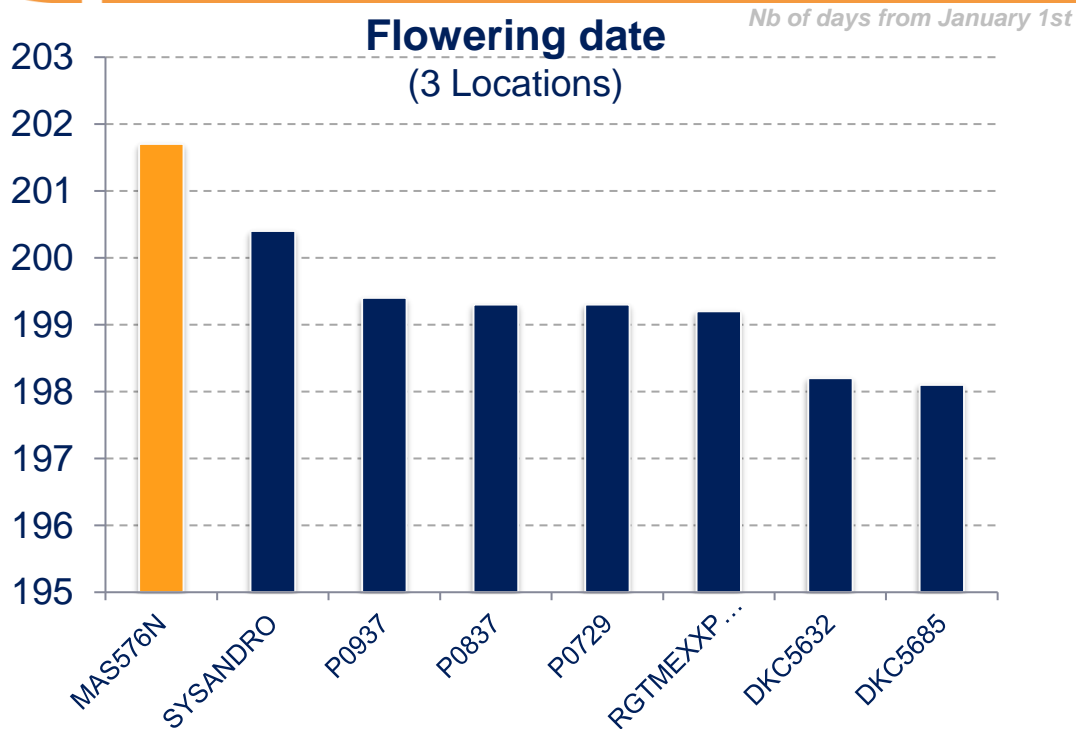




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FLOWERING DATE



- Late flowering date

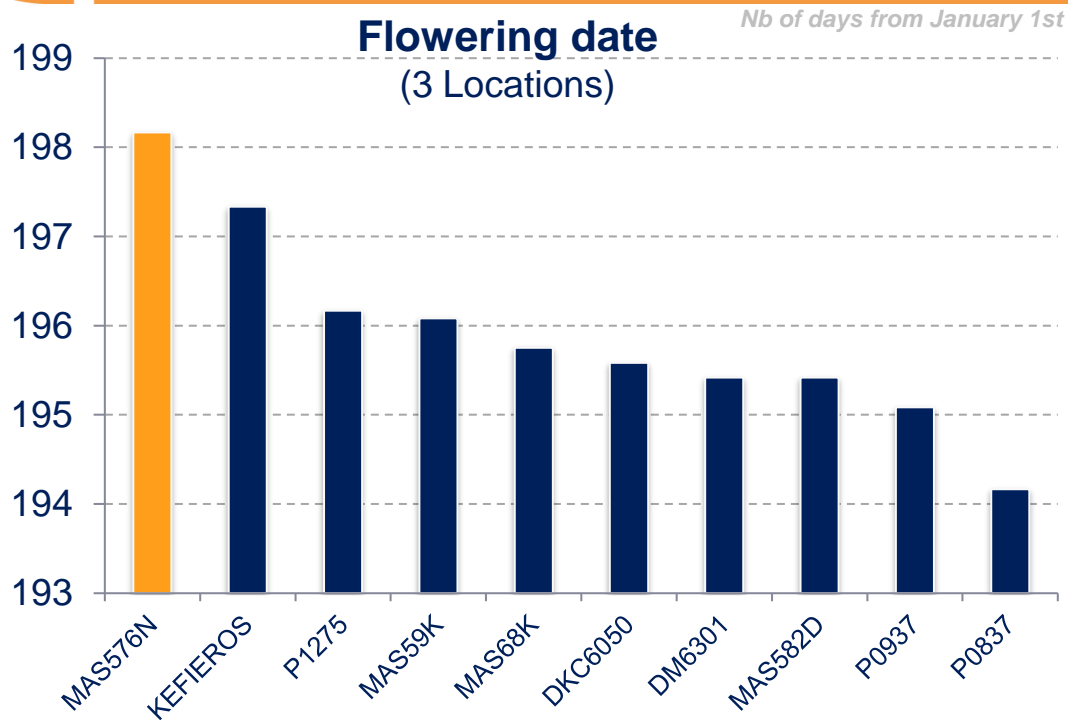




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LATE | GRAIN

FLOWERING DATE



- Late flowering date

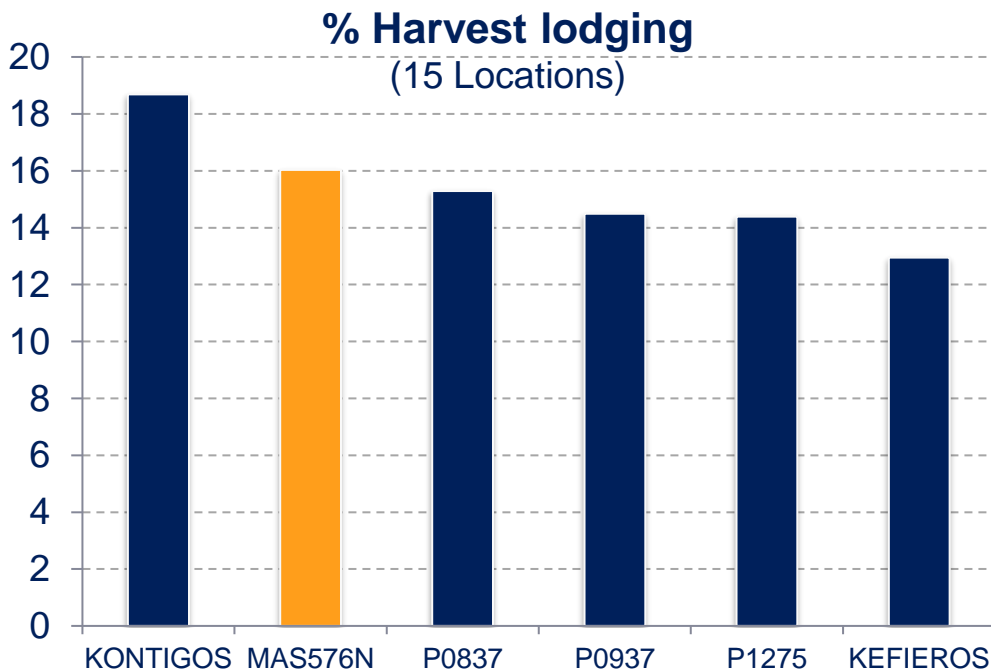




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LODGING BEHAVIOUR



- Good lodging behaviour compare to big yieldy FAO500 hybrids.



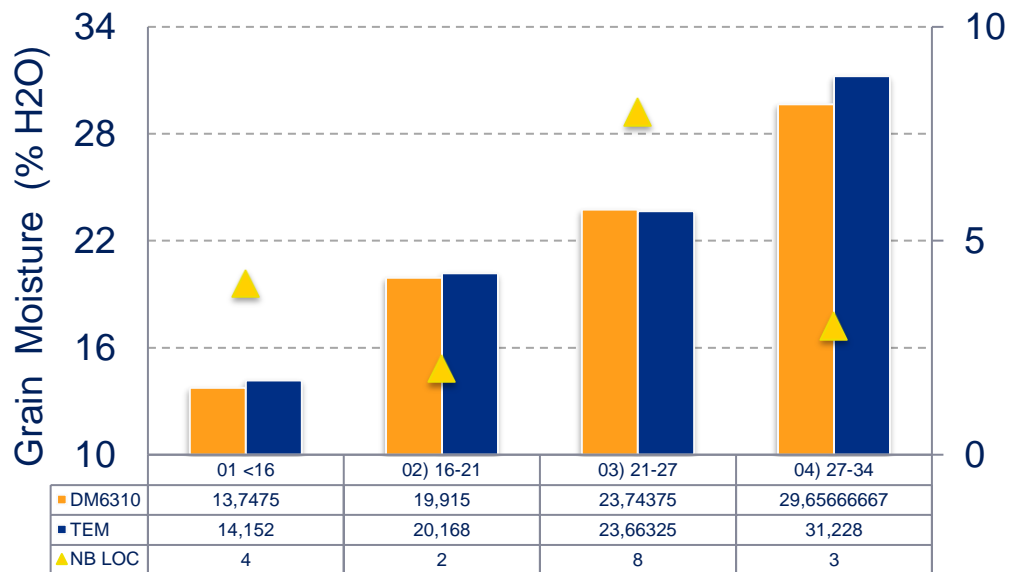


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LOW DRY DOWN

DRY DOWN EVOLUTION



- MAS576N
- CHECKS
- Nb locs

- MAS576N is a stay green plant without a violent DRY DOWN.

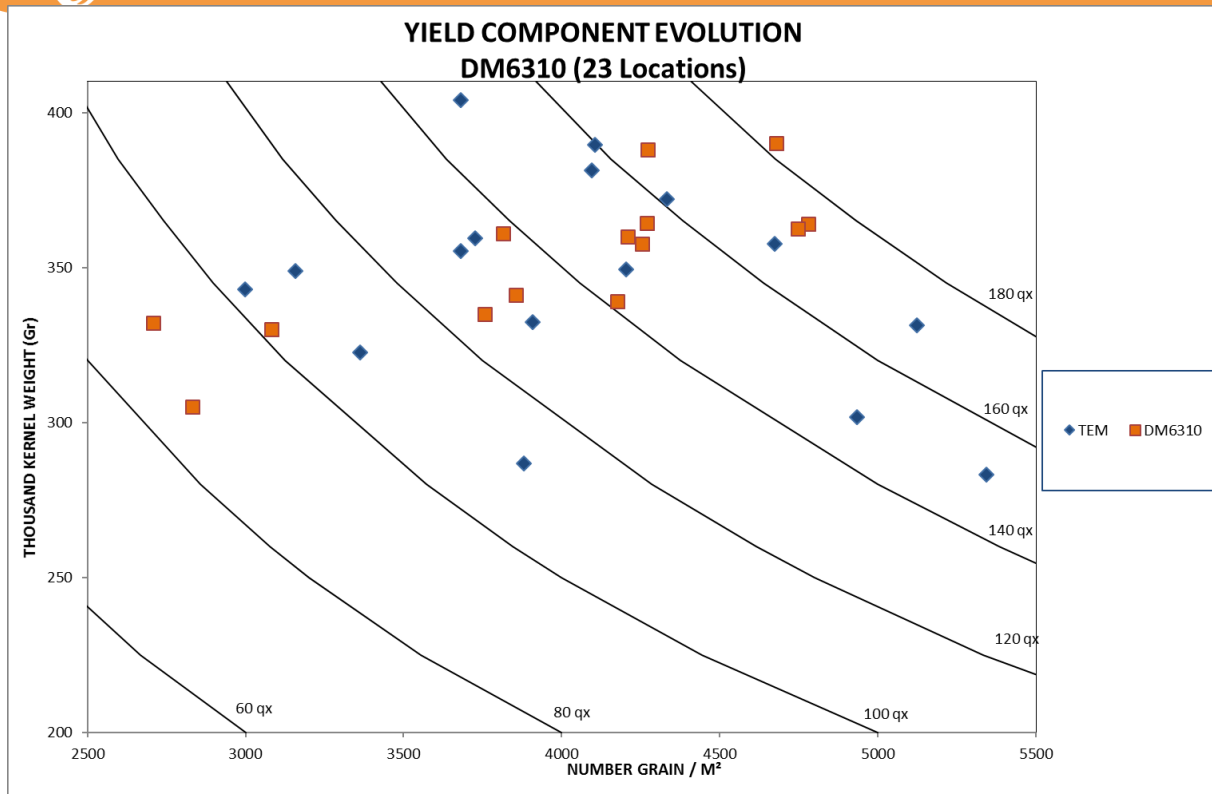




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YIELD CONSTRUCTION



- Results from irrigated situations.
- High TKW and can rise Nb grains/M²
- Long flex cobs with heavy soft dent grain.



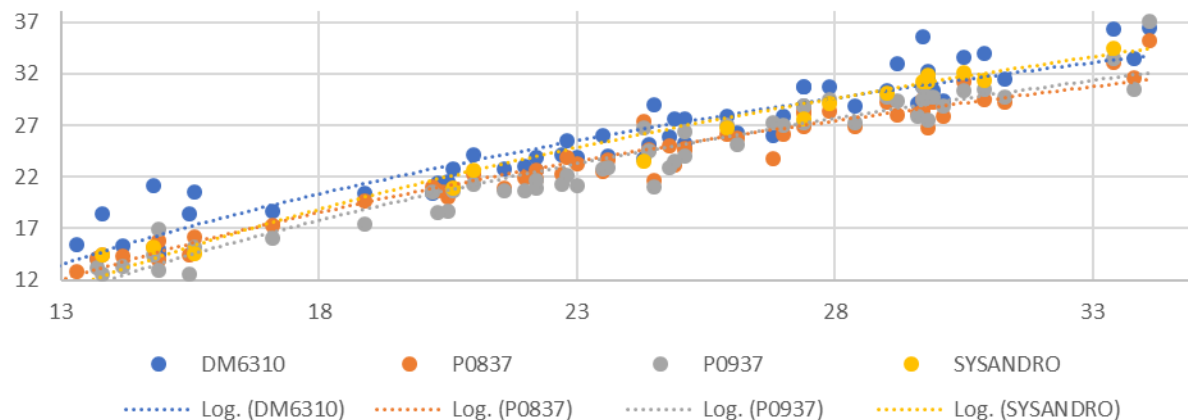


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LOW DRY DOWN

DRY DOWN EVOLUTION
2020 2021 (57 Lieux)



Harvest % H2O	P0837	P0937	SYSANDRO
32	-2,3	-1,8	+0,5
30	-2,2	-1,9	+0,2
25	-2,1	-2,1	-0,4
20	-1,9	-2,4	-1,1
15	-1,6	-2,8	-2,1

Difference % H2O selon stades de récolte

- Same Dry down than P0837
- Earlier than SY Sandro at 30% of Moisture
- SY SANDRO P0937: fast DRY DOWN



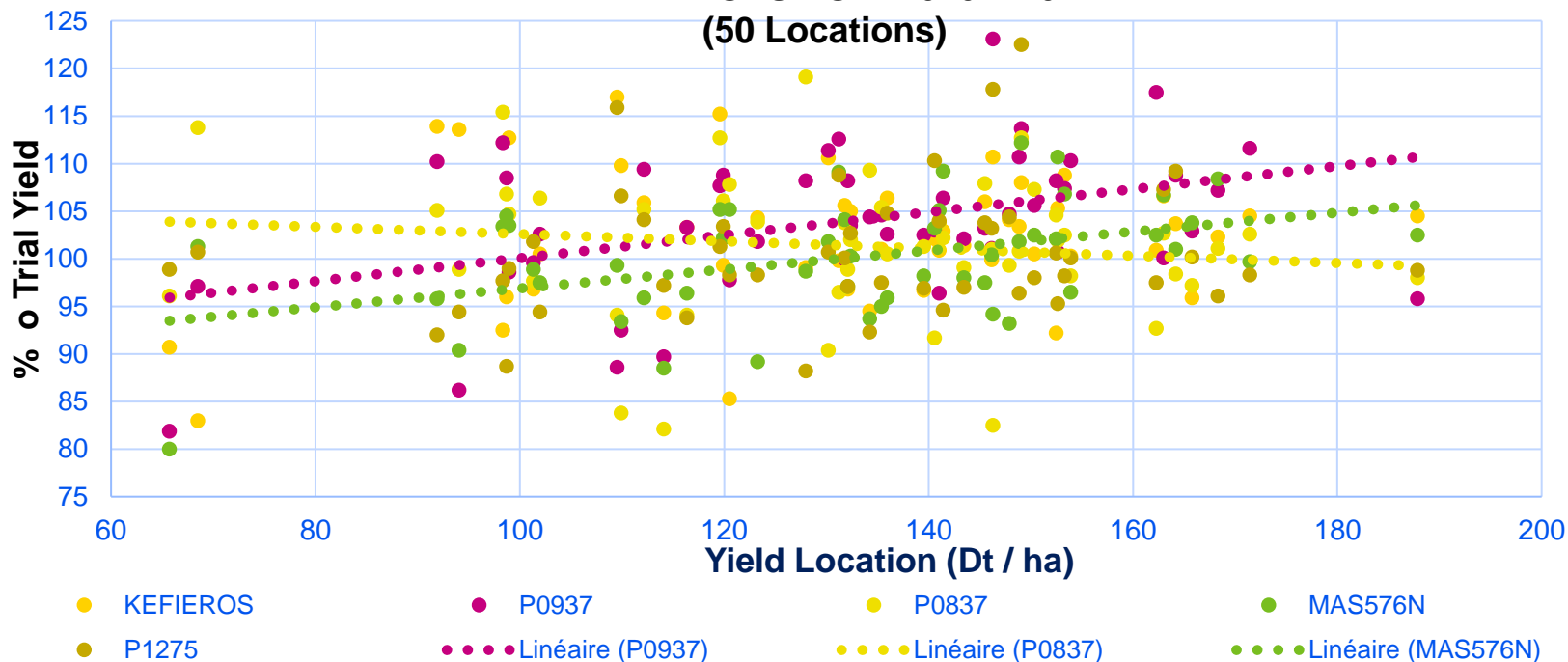


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GRAIN YIELD EVOLUTION

YIELD EVOLUTION 2020 – 2022 (50 Locations)



- MAS576N: fits in high situations of potential with good water availability.
- yield profile (P0937 - 2,5 to 3%)

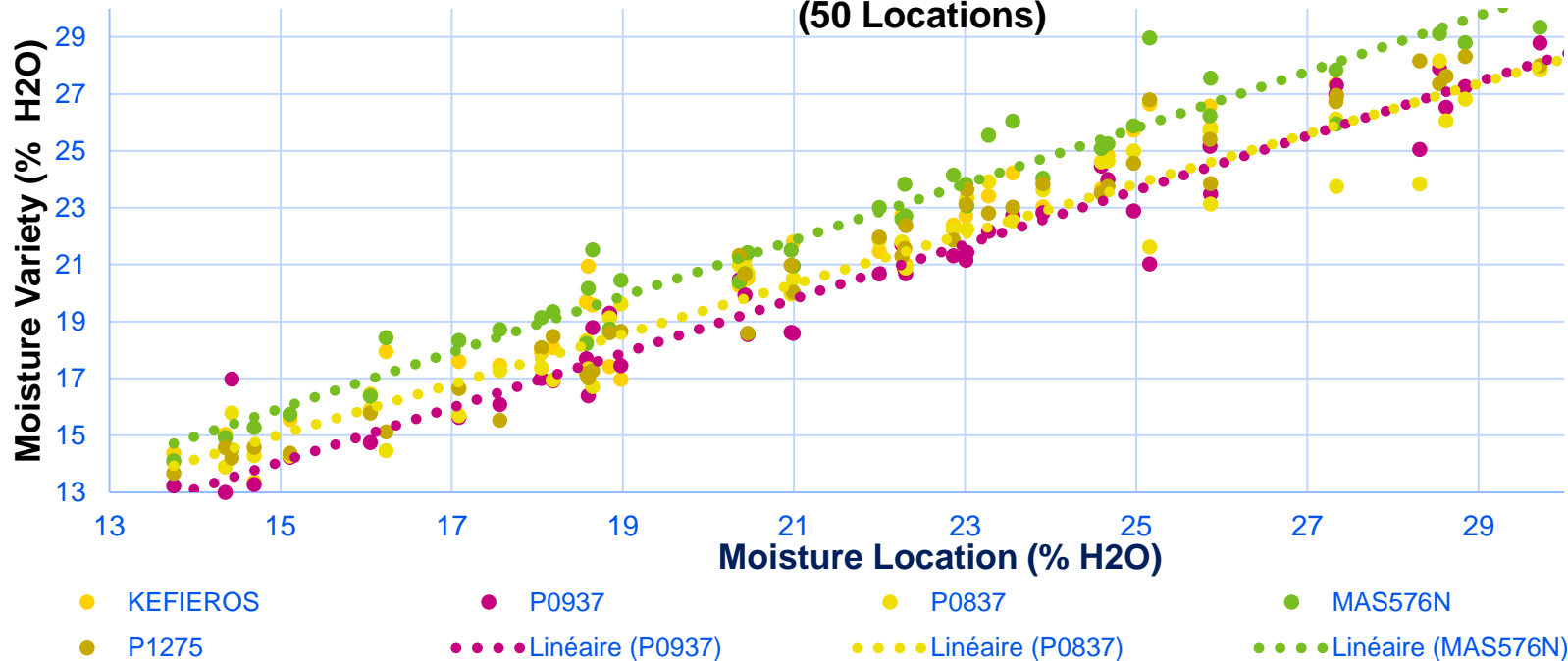


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REGULAR DRY DOWN

MOISTURE EVOLUTION 2020 – 2022 (50 Locations)



- Regular DRY DOWN & GREEN PLANT
- Moisture content: P0937 + 1,5 to 2%

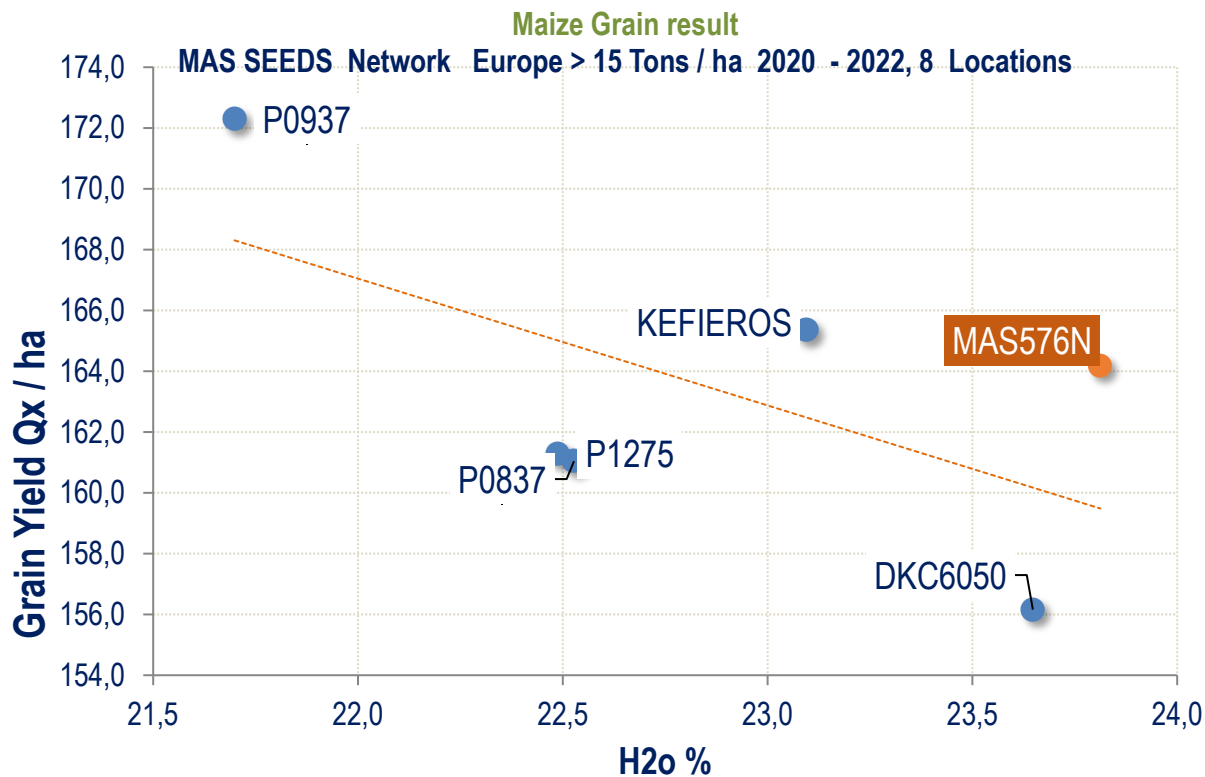




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GOOD YIELD EVOLUTION



- Big potential yield in high situations

CAVARZARE
COLOGNO AL SERIO - BERGAMO
VERDUN SUR GARONNE
LA REOLE
FONZ
TANDAREI
CAVARZARE
MOSCAZANNO - CREDERA
CASALE MONFERATO
VERDUN SUR GARONNE

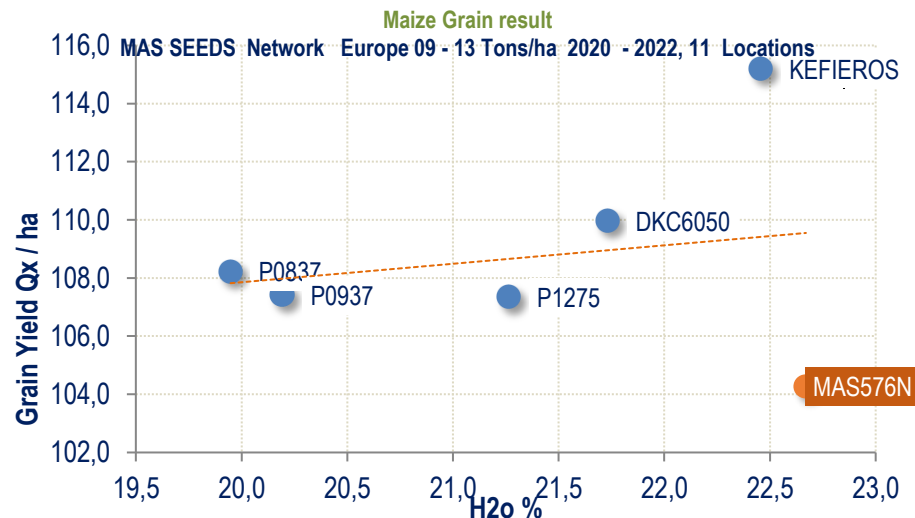
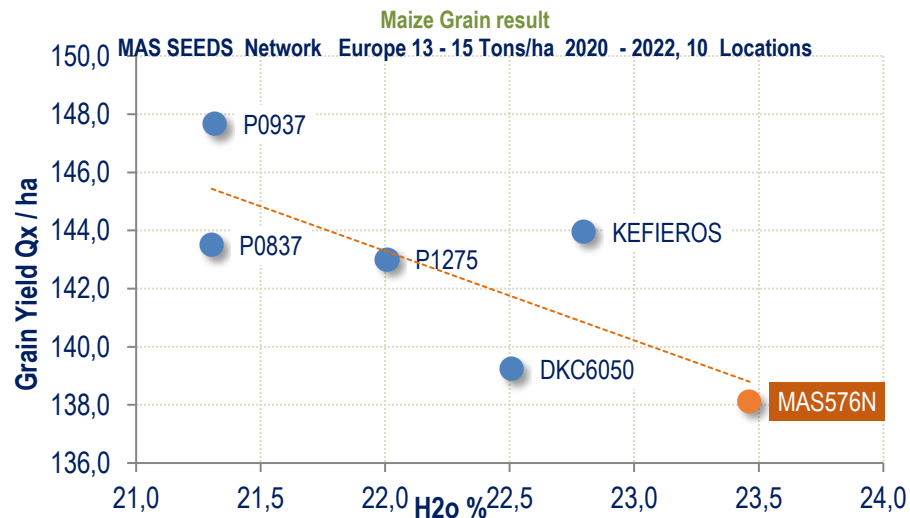




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BEHAVIOUR IN INTERMEDIATE POTENTIALS



TANDAREI
MOSCAZANNO - CREDERA
CASALE MONFERATO
SAINT MARTIN D'ONEY
SOUPROSSE
FONZ
EL TEMPLE
SAINT MARTIN D'ONEY

- At level of big competitors from 13 Tons / ha

NOVISAD
CASALGRASSO
MARCON-CAORLE
BOLOGNE
LABRIT
POSADAS
BADAJOS
BADAJOS
COLOGNO AL SERIO - BERGAMO
NOVENTA VICENTINA
LA REOLE





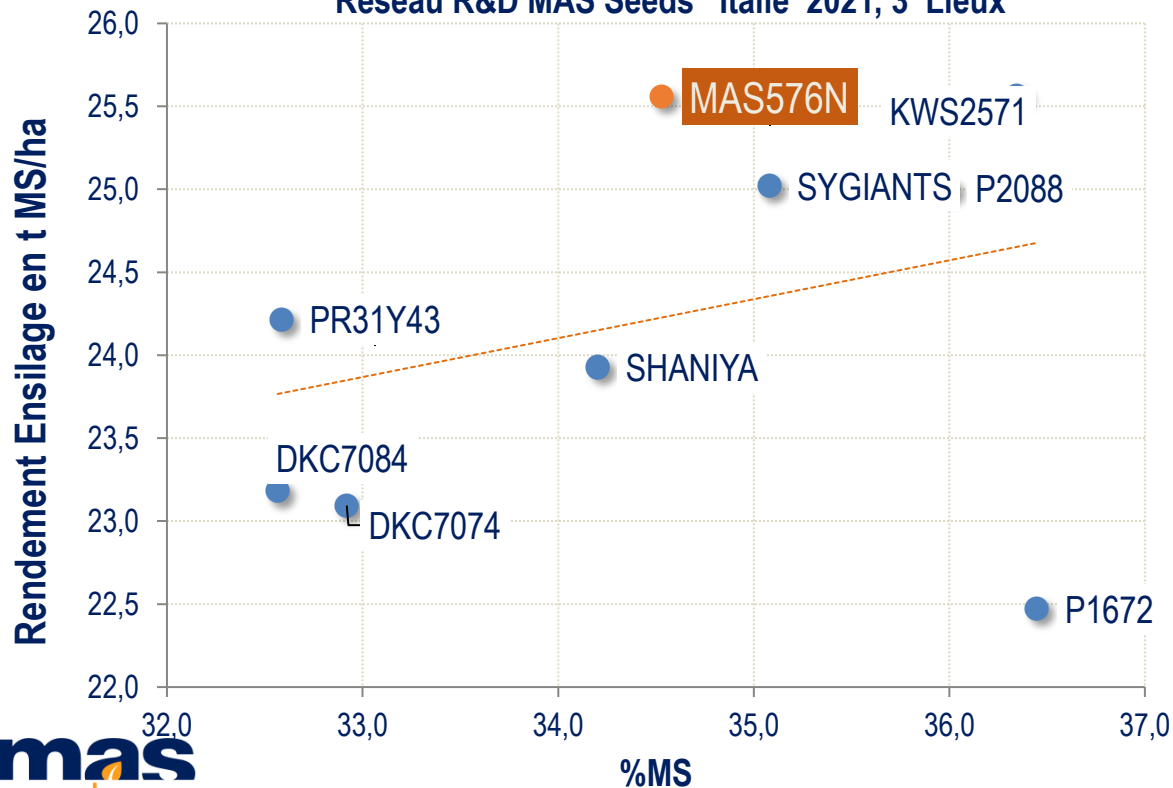
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SILAGE

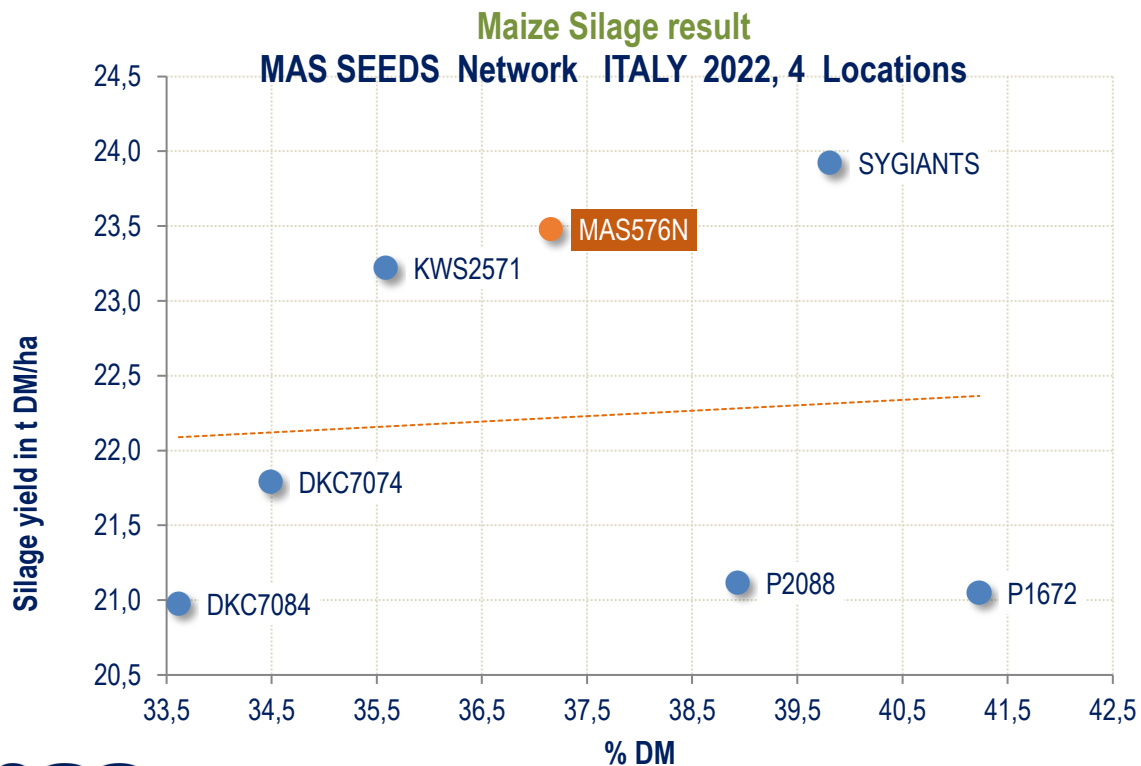


Résultats Mais Ensilage

Réseau R&D MAS Seeds Italie 2021, 3 Lieux



- Big potential yield in 2021 with good Stay Green

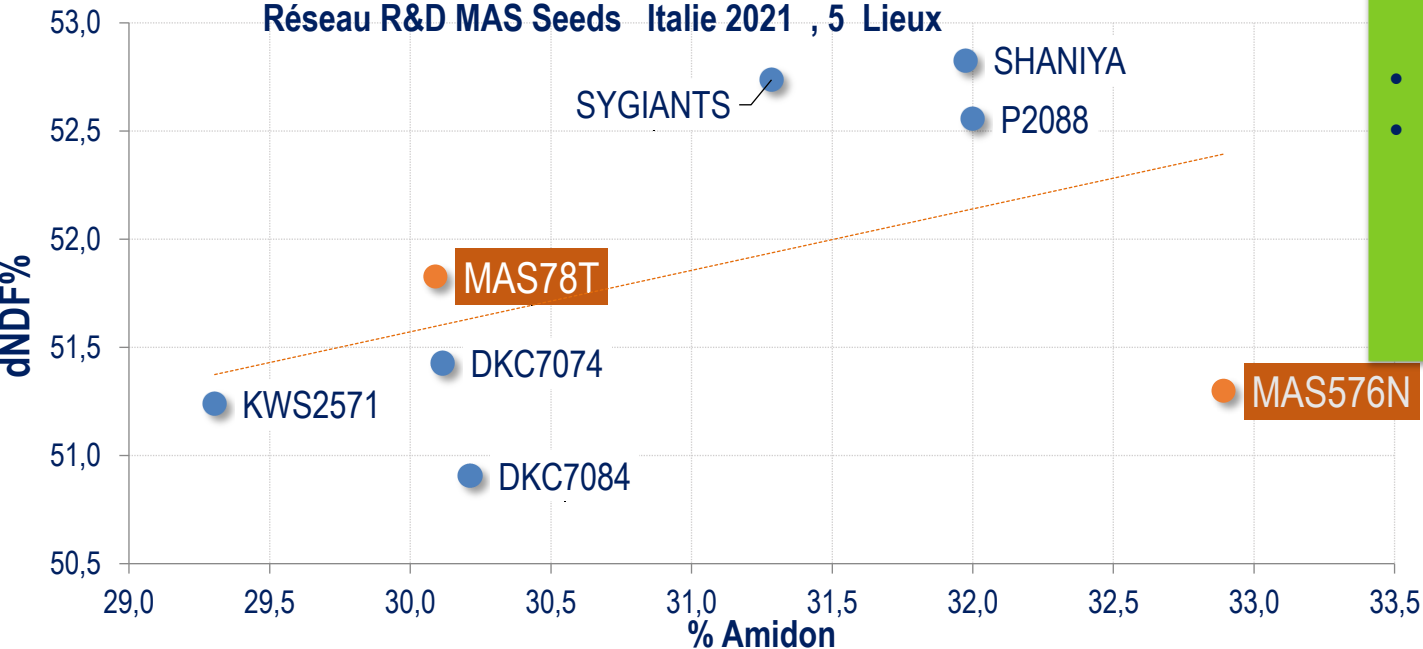


- Big potential Yield in 2022

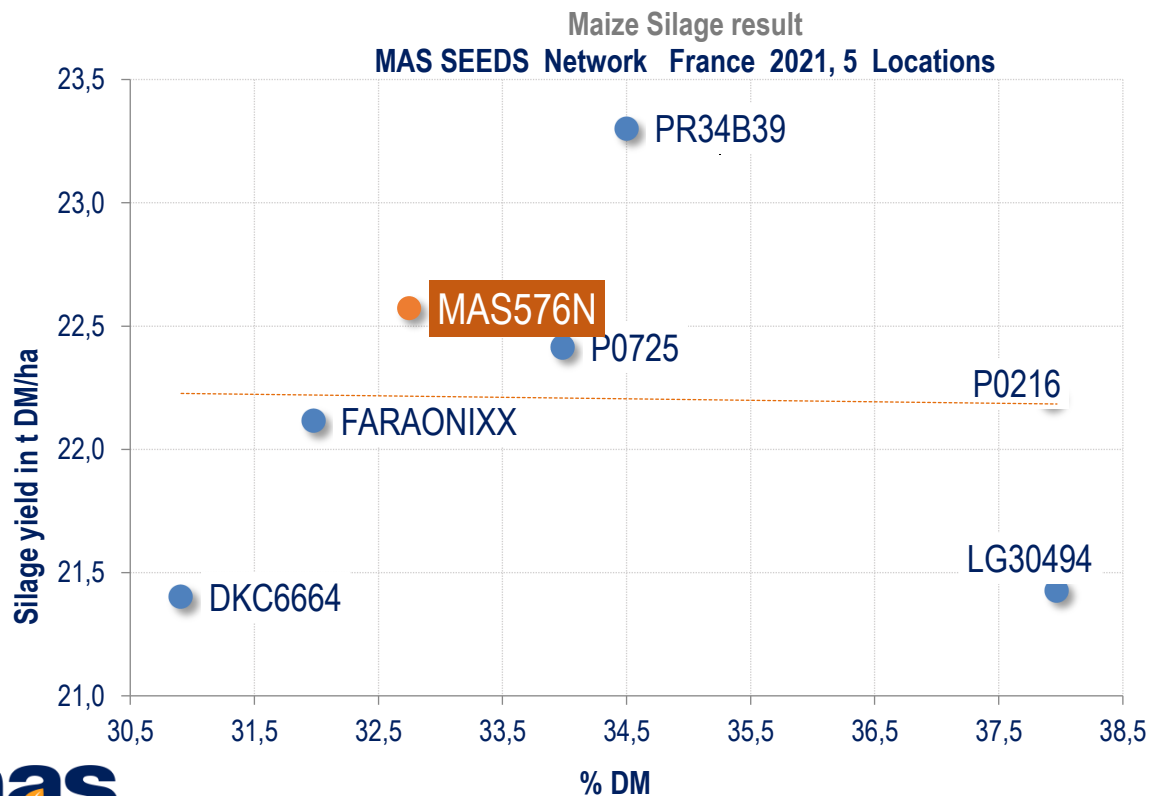


Valeur alimentaire Maïs Ensilage

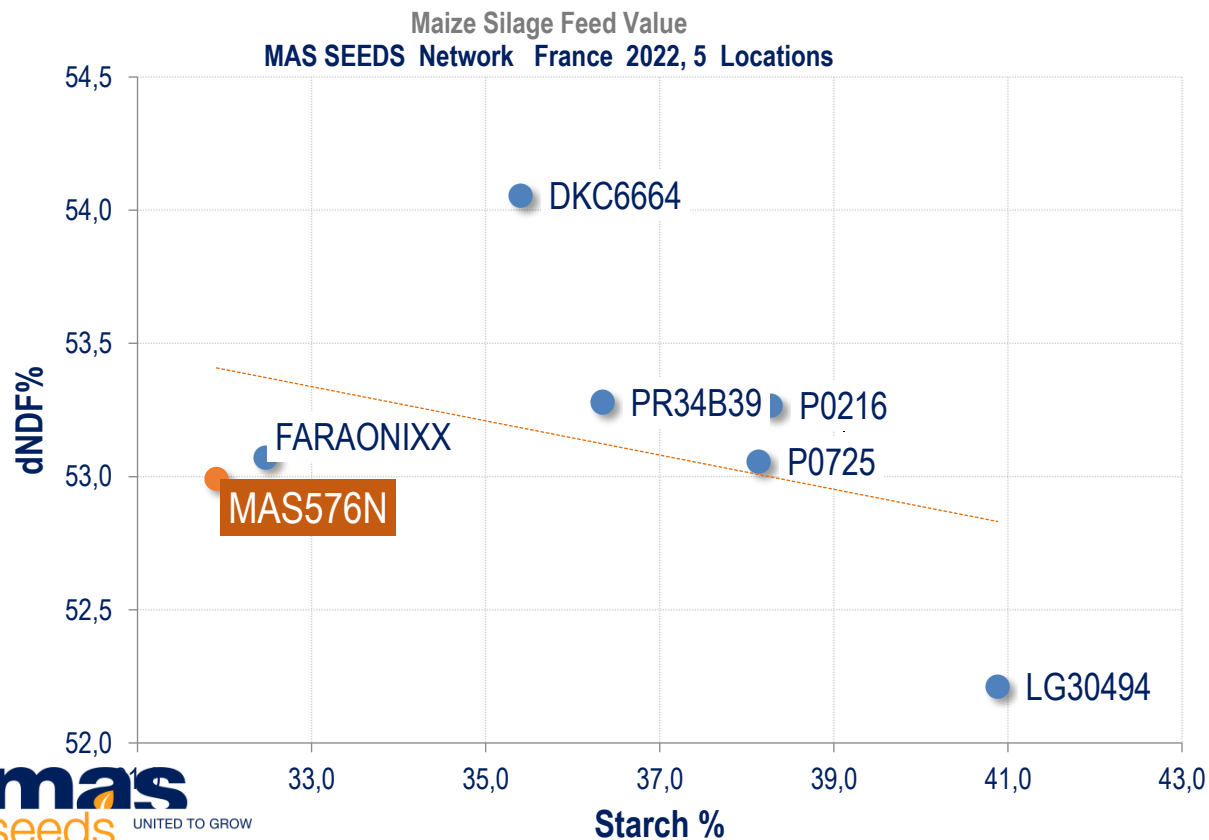
Réseau R&D MAS Seeds Italie 2021 , 5 Lieux



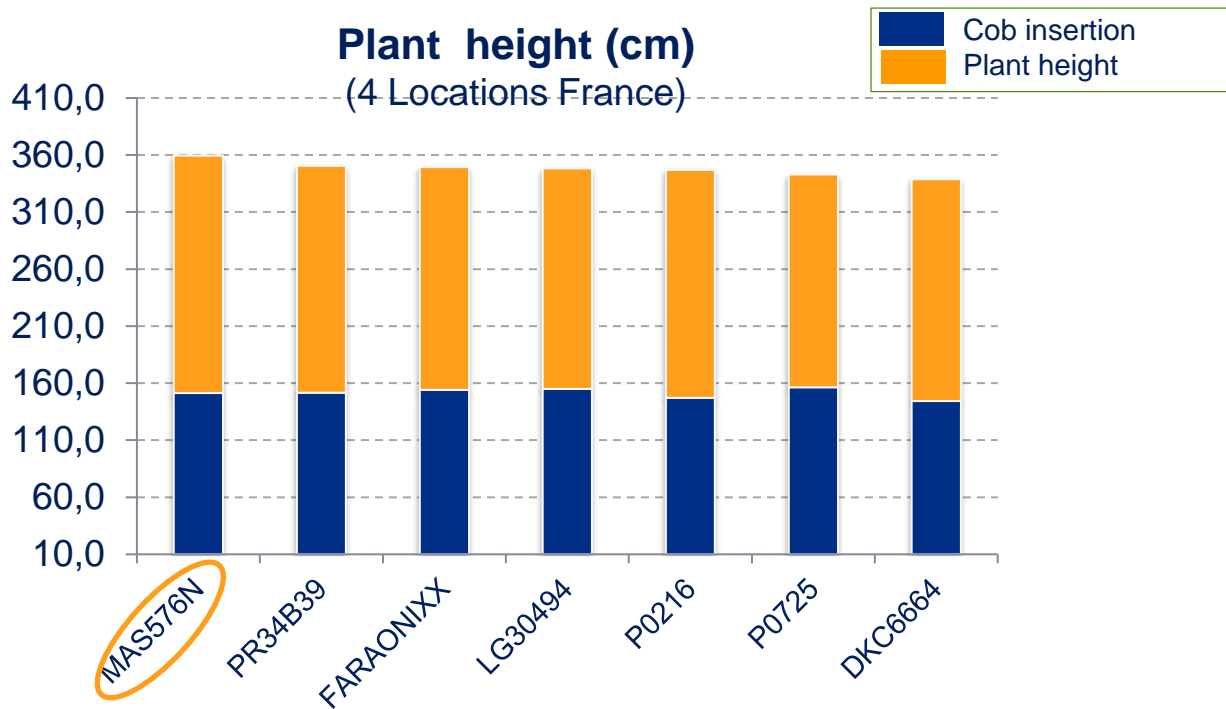
- Bon niveau de DNDF
- Très forte valeur ensilage due à très gros potentiel grain

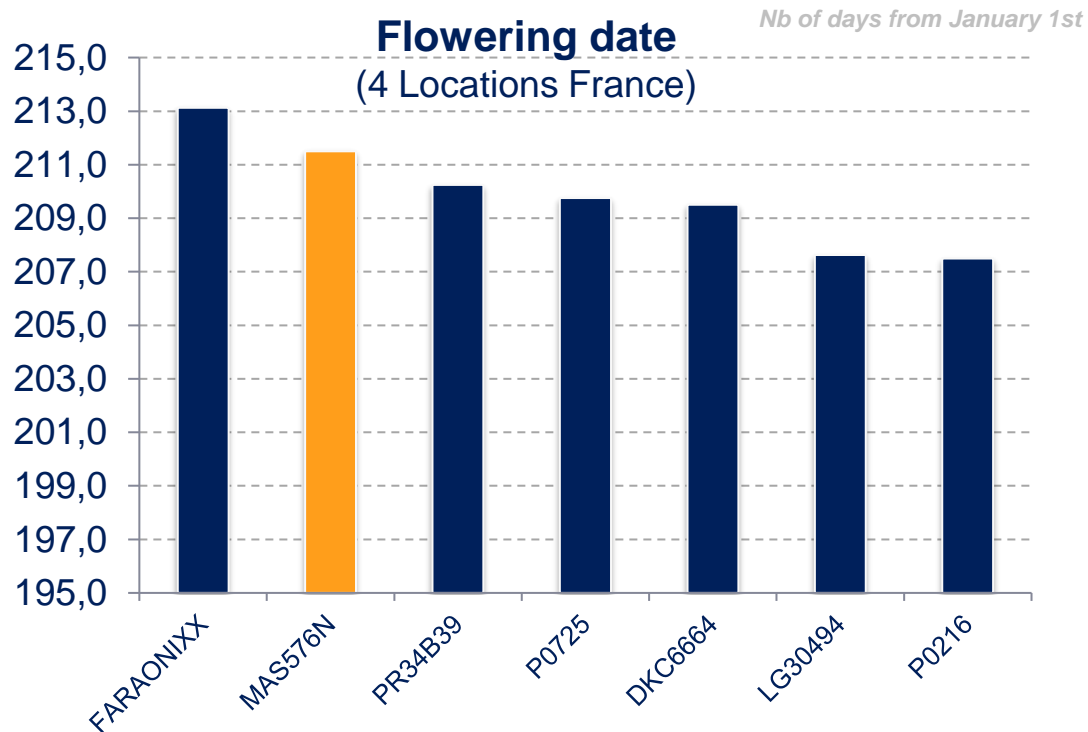


- Big potential Yield in 2022



- Dilution of starch due to late maturity







Digestibility of MAS576N

