

Rosario

Winter Wheat
Registered in France in 2003



❖ AGRONOMIC CHARACTERS

Source data : CTPS Breeder code : 40497 AT 21

Alternativity	Winter (3)
Winterhardiness	6
Earliness :	
Booting	½ early to ½ late
Ear emergence	CHARGER + 2-3 days – (5)
Ripening	Quite late (type SHANGO)
Ear	without awn
Height	3,5
Resistance to Lodging	6
Yield factors	
Tillering	medium
Grain number of ears	Very good
TKW	Quite high
Resistance to sprouting	(8)
Susceptibility to chlortoluron	Susceptible

RESISTANCE TO THE DISEASES :

Brown rust	6
Yellow rust	8
Powdery mildew	(7)
Eyespot	3
Fusarium	4
Septoria	6
Septoria tritici	6
Septoria nodorum	5
Wheat mosaic (VMB)	Susceptible

❖ FRENCH PRODUCTIVITY

CTPS Results North Area :

% Standard	Treated trials 30 trials	Untreated trials 31 trials	General mean
Harvests 2002 et 2003	108,2 %	114,4 %	111,5 %

Standard : ISENGRAIN + CHARGER + SOISSONS + APACHE / 4

❖ TECHNOLOGICAL CHARACTERS

Source ARVALIS : BP

Source : SECOBRA Recherches , Harvests 2001, 2002, 2003 et 2004 :

Proteins	comparable to CHARGER
Specific weight	+ 2 / CHARGER
Chopin Alveograph (W)	150 to 170
Chopin Alveograph (P/L)	0,7 to 0,9
Volume	1600 - 1800 cm ³
Bread quality (CNERVA)	215 – 220
Hardness	Médium Hard
Zeleny	30 to 40 ml (=SOISSONS)
Hagberg	> 250 sec
Viscosity	1,7 (Arvalis January 05)

ROSARIO is a winter type wheat, quite late at booting, with a ripening near to PARADOR or SHANGO. Taking this vegetation cycle, it could be drilled starting last decade of September.

ROSARIO tillering capacity being good enough, seed rate could be adapted according to the regional recommendations

very high YIELD

The official trials led during harvests 2002 and 2003 have shown the very high productivity of ROSARIO : on 30 treated trials, the yield was 108,2 % of standards (102 % for CHARGER) and is at the 1st place at the end of the 2 years of trials (Treated and untreated trials) with 111,4 % .

During harvests 2003 and 2004, private trials (Seed producers), ARVALIS, and CETAC network confirm the excellent productivity of ROSARIO :

CETAC network results – Harvests 03 et 04 - Treated trials

		North Picardie region	East region	Center Bassin Parisien region	Mean
	Trials N°	7 / 5	3 / 6	3 / 5	13 / 16
Harv 03	ROSARIO	112,4 %	115,9 %	109,6 %	112,6 %
	CHARGER	105,4 %	103,9 %	104,3 %	104,5 %
Harv 04	ROSARIO	108,3 %	104,9 %	106,2 %	106,5 %
	CHARGER	97,4 %	103,8 %	100,5 %	100,6 %

N° 1

N° 2

Standard 03 : CHARGER + ISENGRAIN + APACHE + SOISSONS / 4

Standard 04 : CHARGER + ISENGRAIN + APACHE + CAPHORN / 4

PERFORMING

ROSARIO shows a good resistance to lodging, winterhardiness and diseases. It gives high yields in untreated trials thanks to good resistance to rusts and septoria.

OUR ADVICES FOR CULTIVATION

Taking into account its resistance to diseases, it is advised to use an integrated fungicide protection. However a good protection against fusarium is recommended. The use of growth regulators is also advised in order to avoid any important risk of lodging.

ROSARIO is a winter bread wheat with very high yield which could be sown early.



Obtention

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RECHERCHES

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02/05