

# Rosario

## AGRONOMIC CHARACTERS – RESISTANCE TO DISEASES

Alternativity	(3)
Earliness of ear	5
Height	3,5
Wintherhardiness	6
Resistance to lodging	6
Resistance to sprouting	(8)
Resistance to brown rust	6
Resistance to yellow rust	8
Resistance to mildew	(7)
Resistance to eyespot	3
Resistance to fusarium	4
Resistance to septoria (noderum)	5
Resistance to septoria (Tritici)	6



# Rosario

## YIELD CTPS 2002 - 2003

% standard	Treated trials 30 trials	Untreated trials 31 trials	General mean
<b>Harvests 2002 et 2003</b>	<b>108,2 %</b>	<b>114,4 %</b>	<b>111,5 %</b>

**N° 1**

Standard : ISENGRAIN + CHARGER + SOISSONS + APACHE / 4

## Yield Harvests 2003 et 2004

### CETAC Network (France)

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

**N° 1**

**N° 2**

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

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

# Rosario

Yield

Harvest 2004

ARVALIS Institut du végétal

WEST

BRITTANY AND LOW  
NORMANDY REGIONS

Quality	VARIETIES	YIELD		REGULARITY of YIELD		
		Treated with fungicides		Mean and standard deviation in q/ha		
		Q/ha	% MG.	105	116	125
BPS	BASTIDE	124,1	107			
(BPC)	TOISONDOR	123,2	106			
BPS	ORVANTIS	123,1	106			
BPS R	CHARGER	122,1	105			
BPC	<b>ROSARIO</b>	<b>121,0</b>	<b>104</b>			
BAU	TAPIDOR	120,6	104			
BAU	HAMAC	118,2	102			
(BPS)	MENDEL	117,7	101			
BPC	ALLISTER	117,5	101			
(BPC)	CHAGALL	116,5	100			
BAU R	MARCHEVAL	116,4	100			
BPC	PR22R28	116,4	100			
BPS	NIRVANA	116,3	100			
BPS	SCORPION 25	116,0	100			
BPS	LANCELOT	115,9	100			
(BPS)	PERFECTOR	115,7	100			
(BPS)	SANKARA	115,1	99			
(BPS)	MELKIOR	114,9	99			
BPC	LIMES	114,5	99			
BPS	RASPAIL	114,2	98			
BPS	CAPHORN	114,1	98			
BPS	PYTAGOR	113,8	98			
BPC R	SPONSOR	113,4	98			
(BPC) (R)	ALCAZAR	113,3	98			
(BPC)	EPHOROS	112,9	97			
(BPS)	HOURRA	112,3	97			
BPS	APACHE	112,2	97			
(BPS)	ASTUCE	111,8	96			
BPS	PARADOR	110,5	95			
(BPS)	ATTLASS	110,1	95			
General mean		116,1		The vertical line shows the general mean		
STAND. DEVIATION		3,9		The length of lines shows the regularity of the variety in comparison with		
Number of trials		3		the whole tested varieties, it is equal to 2 standard deviations.		
*: estimated data in a trial location						

# Rosario

Yield

Harvest 2004

ARVALIS Institut du végétal

NORTH PICARDIE REGION



Quality ARVALIS Mos. Opinion Resis.	VARIETIES	YIELD		REGULARITY of YIELD		
		Treated with fungicides Q/ha	% GM.	Mean and standard deviation in q/ha		
				100	114	120
BPC	<b>ROSARIO</b>	122.8	107			
BPS	LANCELOT	120.3	105			
(BPC)	TOISONDOR	117.8	103			
(BPC) R	CHAGALL	117.5	103			
(BPS) R	TOREADOR	117.2	103			
BPS	NIRVANA	117.1	102			
(BPS)	PERFECTOR	116.5	102			
BPS	Hyb MERCURY	116.3	102			
BPS	AURELE	116.0	101			
BPS	EQUILIBRE	115.8	101			
BPS	RASPAIL	115.7	101			
BAU	VIVANT	115.6	101			
(BPS)	R KLEBER	115.5	101			
BAU R	MARCHEVAL	115.4	101			
(BPS)	BELCAST	115.1	101			
(BPS)	SANKARA	115.0	101			
(BPS)	ASTUCE	114.8	100			
BPC	PR22R28	114.8	100			
(BPS)	HOURRA	114.6	100			
BPC	ALLISTER	114.6	100			
BPS	ORVANTIS	114.6	100			
BPS	SCORPION 25	114.3	100			
BPS R	CHARGER	114.3	100			
BPS	CAPHORN	113.7	99			
BPS	PYTAGOR	113.6	99			
(BPC) (R)	ALCAZAR	113.2	99			
BPS	ISENGRAIN	112.8	99			
(BPS)	MELKIOR	112.7	99			
(BPS)	MENDEL	112.5	98			
BPS	QUATUOR	112.3	98			
BPS	BALTIMOR*	112.3	98			
BPS	SHANGO	111.7	98			
(BAU) (R)	CLAIRE	111.0	97			
(BPS)	ATTLASS	110.4	97			
BPS	APACHE	110.4	97			
(BPC)	EPHOROS	109.0	95			
(BPS)	BOSPHOR	108.0	95			
BPS	PARADOR	107.4	94			
General mean		114.3		The vertical line shows the general mean		
Stan. Devia.		3,3		The length of the lines shows the regularity of the variety in comparison with the whole tested varieties, it is equal to 2 standard deviations.		
Number of trials		7				
		*: Estimated data in a trial location				

# Rosario

Yield

Harvest 2004

ARVALIS Institut du végétal

NORTH EAST



Quality Arvalis Mos. Opinion Resis.	VARIETIES	YIELD		REGULARITY of YIELD		
		Treated with fungicides Q/ha	% GM.	Mean and standard deviation in q/ha		
				90	101	110
BPC R	FORBAN	107,0	106			
BPS R	CHARGER	105,4	105			
BPS	SCORPION 25	104,5	104			
BPC	ROSARIO	104,5	104			
(BPS)	HOURRA	103,7	103			
(BPS)	MELKIOR	103,4	103			
(BPC) R	CHAGALL	102,5	102			
(BPS)	SANKARA	102,5	102			
BPS	ORVANTIS	102,4	102			
BAU	VIVANT	102,4	102			
(BPS)	KLEBER	101,9	101			
BPS	hyb MERCURY	101,8	101			
BPC	PR22R28	101,8	101			
BPS	EQUILIBRE	101,3	101			
(BPS)	MENDEL	100,7	100			
(BPS)	PERFECTOR	100,6	100			
BPC	ALLISTER	100,5	100			
(BPS)	ASTUCE	100,2	100			
BPS	AURELE	100,0	99			
(BPS)	BOSPHOR	99,9	99			
(BPC)	APACHE	99,8	99			
BPS	TOISONDOR	99,8	99			
BPS	CAPHORN	99,6	99			
BPS	LANCELOT	99,6	99			
(BPC) (R)	ALCAZAR	99,4	99			
BPS	RASPAIL	99,4	99			
BAU R	TREMIE	99,3	99			
BPS	PYTAGOR	99,3	99			
	HASTINGS	98,7	98			
BPS	NIRVANA	98,4	98			
BPS	ISENGRAIN	98,1	98			
(BAF)	QUEBON*	97,0	96			
(BPS)	ATTLASS	96,6	96			
(BPC)	EPHOROS	96,5	96			
BPS	SHANGO	94,3	94			

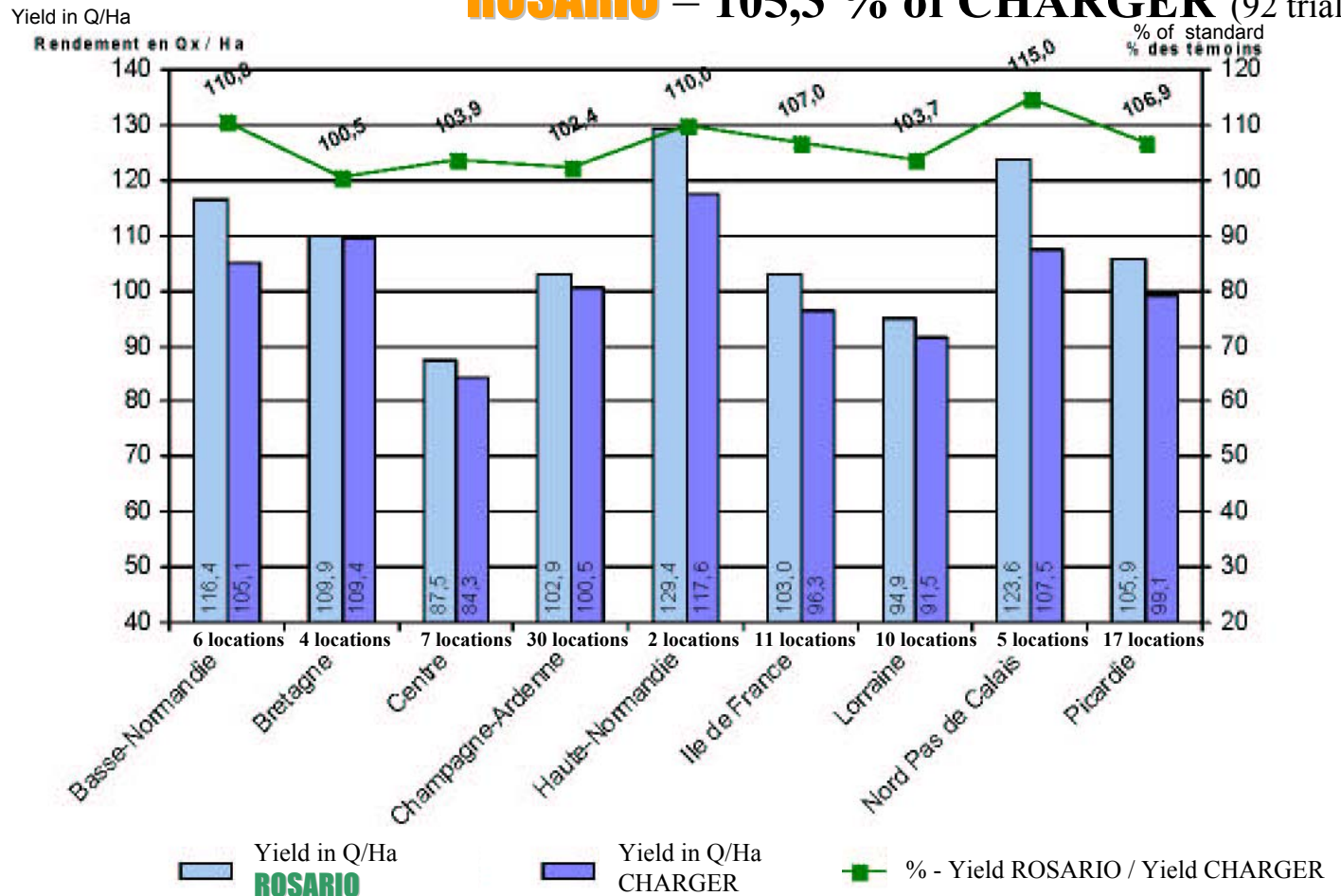
General Mean 100,7  
 Stan. Devia. 3,1  
 Number of trials 4

The vertical line shows the general mean  
 The length of the lines shows the regularity of the variety in comparison with the whole tested varieties, it is equal to 2 standard deviations

# Rosario

## Yield Harvests 2003 et 2004 – Compared to CHARGER

**ROSARIO** = 105,3 % of **CHARGER** (92 trials)



Source : O.S + CETAC + ARVALIS + CTPS

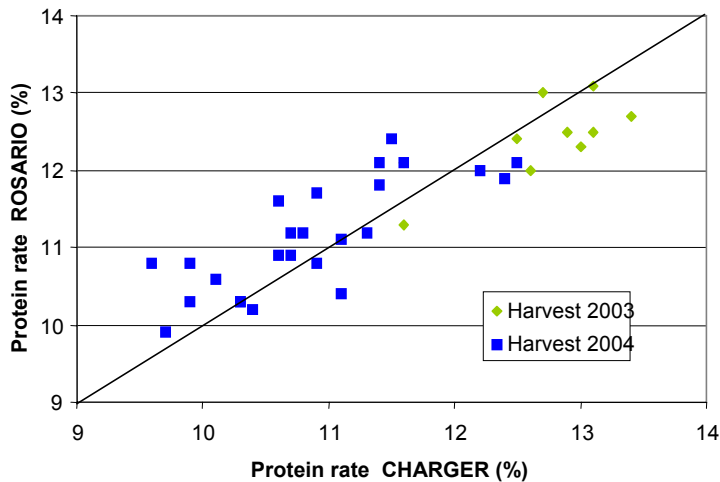
# Rosario

## Protein rate – Specific weight

Source : Private trials + sellers

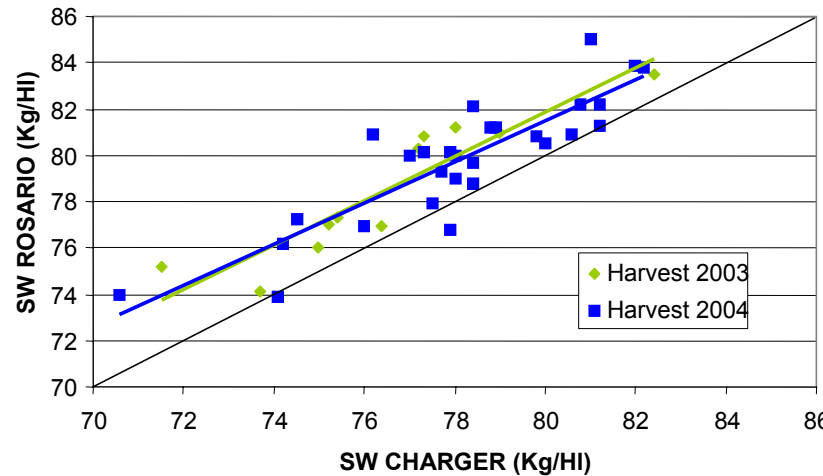
### Protein rate

Harvests 2003 et 2004 – 35 locations



### Specific weight

Harvests 2003 et 2004 – 40 locations



MEAN

**ROSARIO**

**11,5**

CHARGER

11,4

MEAN

**ROSARIO**

**79,4**

CHARGER

77,7