

## Soybean variety “AVATAR” Technical details

Soybean variety of the *Glycine max* L. genus; derived from the F1 cross of Linea886 (L436/4 x Torre) x Linea909 (Hilario x Bahia) = Linea 983-2 and subsequent breeding by pedigree method.

Name given to the new variety: “AVATAR”;

Owner: Agenzia per lo Sviluppo Rurale (ERSA) with seat in Gorizia, Italy - via Montesanto n. 17.

### Description

The Soybean variety “AVATAR” was created from the cross of Linea886 (L436/4 x Torre) x Linea909 (Hilario x Bahia) = Linea 983-2. It is a short to medium maturing group 1+ variety, featuring medium height, with excellent resistance to lodging and fungal diseases, yielding excellent grain production.

It is a variety with a low content of anti-nutritional factors.

The main features of the plant and seeds are described hereinafter:

Anthocyanin coloration of hypocotyl	Absent
Growth type	Indeterminate
Plant height	Medium, about 103 cm
Growth habit at flowering	Erect
Shape of lateral leaflet	Pointed ovate
Leaf color	Medium green
Leaflet size	Medium
Flower colour	Violet
Color of main stem hairs	Brown
Husk color	Medium brown
Seed color	Yellow
Hilum color	Black
Seed shape	Flattened spherical
1000 seeds weight	196 g
Flowering end time	10th August
flowering end time of Blancas control variety	12th August
Maturity date	29th September
Maturity date of Blancas control variety	2nd october
Group	1+

## E.R.S.A.

Servizio fitosanitario e chimico, ricerca, sperimentazione e assistenza tecnica

Via Sabbadini, 5

Pozzuolo del Friuli (UD)

Mean values obtained in 2015 at three sites located in the Friuli Venezia Giulia region

Variety	Yield t/ha with 14%	Productivity Index %	% of humidity at harvest	Lodging at harvest (0-9)	Plant height cm	Ripening date (dd from 1 Sept) in 2 sites	Production t/ha at 14%		
							Fiume Veneto (PN)	Palazzolo (UD)	Castions (UD)
<b>AVATAR (983-2)</b>	<b>5,05</b>	<b>104,2</b>	<b>14,4</b>	<b>2,2</b>	<b>105</b>	<b>29,7</b>	<b>4,68</b>	<b>4,89</b>	<b>5,57</b>
GURU (812-2)	5,02	103,7	14,0	0,9	102	32,3	4,98	4,81	5,27
BUENOS	4,95	102,2	15,0	3,1	115	31,2	5,14	4,67	5,04
BLANCAS	4,94	102,0	14,6	3,6	118	31,8	5,06	4,68	5,08
ADONAI	4,86	100,3	14,5	3,7	118	28,3	4,94	4,92	4,72
ANANDA	4,61	95,3	15,1	5,1	119	29,5	4,95	4,67	4,22
ASCASUBI	4,47	92,3	14,3	2,0	112	22,8	4,67	4,30	4,44
Mean	4,84	100,0	14,6	2,9	113	29,4	4,92	4,71	4,91
SD 5%							0,41	0,41	0,71
CV							5,14	5,54	9,54





