

Soybean variety “MANTRA”

Technical details

Soybean variety of the *Glycine max* L. genus; derived from the cross Hilario x Aires = Linea 727-11 and subsequent breeding by pedigree method.

Name given to the new variety: “MANTRA”;

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

Description

The Soybean variety “MANTRA” was created from the cross Hilario x Aires = Linea 727-11. It is An early maturing group 0 (zero) variety, featuring low height, with excellent resistance to lodging and fungal diseases, yielding good 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	Very weak
Growth type	Indeterminate
Plant height	Low, about 77 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	Tawny
Husk color	Medium tawny
Seed color	Yellow
Hilum color	Black
Seed shape	Flattened spherical
1000 seeds weight	198 g
Flowering end time	22 nd July
flowering end time of Blancas control variety	22 th July
Maturity date	13 th September
Maturity date of Blancas control variety	18 th September
Group	0 (zero)

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 two sites located in the Friuli Venezia Giulia region

Variety	Cycle	Yield t/ha with 14%	Productivity index %	% of humidity at harvest	Lodging at harvest (0-9)	Plant height cm	Ripening date (dd from 1st Sept)
AIRES	0+	4,31	105	14,3	1,7	82	18
NS APOLO	0+	4,27	104	15,0	4,3	101	19
XONIA	0+	4,25	103	14,8	1,3	77	17
MANTRA (727-11)	0	4,10	100	14,0	0,0	77	13
GALINA	0+	4,09	99	13,8	4,0	107	16
MANDALA	0+	3,92	95	14,7	1,5	89	17
FORTUNA	00	3,87	94	15,1	2,0	75	11
Mean		4,12	100	14,5	2,1	87	16
SD 5%		0,33		0,96	1,5	9	1,3
CV		4,69		4,22	29,20	5,97	3,52



