



Lewis Horticulture “*Tomorrows Solutions-Today*”

Olive Variety Technical Information

Oct 2005



Don Carlo Pbr appln No 2003/342



Signore-Aus Patent No 719256

Attributes of Signore Aus. Pat and Don Carlo Pbr

	Signore(Fs17)Aus Pat.	Don Carlo Pbr Pending
ORIGIN	Free pollination of Frantoio	Free pollination of Frantoio
VIGOUR	Low	Medium-Low
ATTITUDE OF	Drooping	Erect
SELF FERTILITY	Full self fertility	Full self fertility
FRUIT SIZE	Medium(ca.3gms)	Medium-large(Ca.4gms)
FRUIT COLOUR	Winy Red	Deep winey red
PIT SIZE	Medium	Medium
FRUITING	Early	Early
PRODUCTION	High	High
RIPENING TIME	Early	Late
ALTERNATE BEARING	Absent	Absent
OIL YIELD	High(>20%)	Medium-High(18-20%)
OIL QUALITY	Medium fruity	Medium Fruity, with a slightly bitter after taste
FROST RESISITANCE	Low	Medium-High
RESISTANCE TO SALT	Medium	Medium
RESISTANCE TO WATER STRESS	Medium	High
RESISTANCE TO PARASITES	Medium	High
PURPOSE	Oil	Dual

Typical analysis of Signore(FS-17) and Don Carlo

	Palmitic C 16:0	Stearic C18:0	Oleic C 18:1	Linoleic C18:2	Linolenic C18:3	Unsaturated/ saturated ratio	Acidity %	Peroxides Mg/kg	Polyphenols Ppm
Signore	11.6	1..2	76.8	7.9	0.9	6.6	0.29	2.1	277.4
Don Carlo	11.8	2.1	78.0	5.6	0.6	6.1	0.35	1.9	230.5

Data as supplied by Olive Research Institute Perugia

Production Years	Yield per Hectare(Kgs/Hect)		Yield per tree(Kgs)	
	Signore	Don Carlo	Signore	Don Carlo
1st	0	0	0	0
2nd	625-1250	625-1250	0.5-1.0	0.8-1.5
3rd	3,750-5,000	3,750-5,000	3-4	4.5-6
4th	7,500-10,000	7,500-10,000	6-8	9-12
5th	12,500-15,000	12,500-15,000	10-12	15-18
6th year and beyond	15,000-17,000	15,000-17,000	12-14	18-21

The above anticipated yield figures are based on data supplied from CNR Perugia and on completion of full growing years which includes a full winter season in the ground and correct management.

Planting density for Signore is 4m x 2m and Don Carlo is 4m x 2.5m

Lewis Horticulture for-

- **Proven low vigour olive varieties for high density planting**
- **Grove management**
- **Consultancy**
- **Agronomy**
- **Tree Supply**
- **Project design**

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**Signore is protected by Patents in Australia and New Zealand. Don Carlo is protected by PBR no 2003/342
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