



DENOMINATIONS AND SYNONYMS:

(I. Trujillo, D. Barranco, P. Morello)
Zard-Zeitoun, Zard-Zeitoun,

ORIGIN AND DIFFUSION:

Zard is the most widespread olive cultivar in Iran with a high and alternate productivity with around 44,000 ha of cultivated area. It has high oil content (20-25%) that leads Cultivators tend to cultivate this variety because of its high productivity and due to being a dual-purpose crop. This variety is the most cultivated (45%) in northern area of Iran such as Guilan, Zanjan, Qazvin and Sefid-rud river basin.

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PURPOSE: Oil, Table olives

MORPHOLOGICAL CHARACTERISATION:

Tree	Vigour	Medium
	Growth habit	Upright
	Canopy density	Medium
Leaf blade	Length	Medium
	Width	Medium
	Radio length/width	Moderately elongated
	Curvature of longitudinal axis	Straight
Fruit	Weight	High
	Radio length/width in position A	Moderately elongated
	Over colour at full maturity	Dark violet
	Symmetry in position A	Weakly asymmetric
	Shape of apex in position A	Rounded
	Nipple	Absent or weak
	Shape of base in position A	Rounded
Stone	Ratio length/width	Slightly elongated
	Weight	High
	Symmetry in position A	Symmetric
	Symmetry in position B	Symmetric
	Number of grooves on basal end	Between 7 and 10
	Distribution of grooves on basal end	Evenly distributed
	Shape of apex in position A	Acute
	Mucron	Present
	Shape of base in position A	Rounded
	Rugosity of surface	Medium



MOLECULAR CHARACTERISATION (SSRs)

UDO-43	DCA3	DCA9	DCA16	GAPU-101
175/175	229/232	170/186	177/177	193/217

AGRONOMICAL CHARACTERISATION AND COMMERCIAL CONSIDERATIONS

It has high oil content (20-25%) and high oleic acid ratio (about 78%) that leads Cultivators tend to cultivate this variety because of its high productivity and due to being a dual-purpose crop. This variety is tolerant towards cold and wind, while it is susceptible to the verticillium. The time of harvesting is intermediate. It is self-incompatible and its best pollinizers are 'Leccino', 'Bladi', 'Mari' and 'Rowghani' varieties. It is moderately tolerant to drought and cold and it has a high rooting ability in the green house misting system, but it has some difficulties in its rooting ability through tissue culturing.

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