Uslu





DENOMINATIONS AND SYNONYMS:

ORIGIN AND DIFFUSION:

Origin is Akhisar (Manisa province). It is one of the important olive varieties grown as black table olive after Gemlik in Turkiye. It is mostly cultivated in Manisa (Akhisar and Turgutlu), Izmir (Kemalpaşa and Selçuk) and Muğla (Centrum and Yatağan) provinces.

Hülya Kaya, Melek Gurbuz

PURPOSE: Oil, Table olives

MORPHOLOGICAL CHARACTERISATION:

Tree Growth habit Spreading Sparse Length Long Width Broad Radio length/width Slighty elongated Curvature of longitudinal axis Weight High Radio length/width in Moderately elongated Over colour at full maturity Fruit Symmetry in position A Strongly asymmetric Shape of apex in position A Nipple Moderate Shape of base in position A Truncate		Vigour	Medium	
Canopy density Length Width Radio length/width Curvature of longitudinal axis Weight Radio length/width in position A Over colour at full maturity Fruit Symmetry in position A Nipple Shape of apex in position A Nipple Shape of base in position A Ratio length/width Weight Ratio length/width Very elongated Very elongated Weight Symmetry in position A Rounded Nipple Shape of base in position A Symmetry in position A Symmetry in position A Symmetry in position B Symmetry in position B Symmetric Symmetry in position B Symmetric Number of grooves on basal end Distribution of grooves on basal end Shape of apex in position A Mucron Shape of base in position A Mucron Shape of base in position A Cute Mucron Shape of base in position A A Present Shape of base in position A Acute	Tree		Spreading	
Leaf blade Radio length/width Slighty elongated Curvature of longitudinal axis Weight Radio length/width in Moderately elongated Over colour at full maturity Black Symmetry in position A Sirongly asymmetric Shape of apex in position A Nipple Shape of base in position A Ratio length/width Very elongated Weight Symmetry in position A Symmetry in position A Ratio length/width Very elongated Weight Symmetry in position A Symmetry in position B Symmetric Symmetry in position B Symmetric Symmetry in position B Symmetric Number of grooves on basal end Distribution of grooves on basal end Shape of apex in position A Mucron Shape of base in position A Present Shape of base in position A Cutte		Canopy density	Sparse	
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Curvature of longitudinal axis Incurved		Width	Broad	
weight Radio length/width in Moderately elongated Over colour at full Black Fruit Symmetry in position A Strongly asymmetric Shape of apex in position A Nipple Moderate Shape of base in position A Truncate Ratio length/width Very elongated Weight High Symmetry in position A Weakly asymmetric Symmetry in position B Symmetric Symmetry in position B Symmetric Number of grooves on basal end Stone Distribution of grooves Evenly distributed Shape of apex in position A Mucron Shape of base in position A Acute Mucron Shape of base in position A Acute		Radio length/width	J ,	
Radio length/width in position A elongated Over colour at full Black Symmetry in position A Strongly asymmetric Shape of apex in position Rounded Nipple Moderate Shape of base in position A Truncate Ratio length/width Very elongated Weight High Symmetry in position A Symmetric Symmetry in position B Symmetric Number of grooves on basal end Distribution of grooves on basal end Shape of apex in position A Cute Mucron Shape of base in position A Acute Mucron Shape of base in position A Acute			Incurved	
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Fruit Symmetry in position A Strongly asymmetric Shape of apex in position Rounded Nipple Moderate Shape of base in position Truncate Ratio length/width Very elongated High Symmetry in position A Symmetry in position B Number of grooves on basal end Distribution of grooves on basal end Stone Stone Distribution of grooves on basal end Shape of apex in position A Mucron Present Shape of base in position A Cute				
Shape of apex in position A Nipple Shape of base in position A Nipple Shape of base in position A Ratio length/width Weight Symmetry in position A Symmetry in position A Symmetry in position B Number of grooves on basal end Stone Distribution of grooves on basal end Shape of apex in position A Mucron Shape of base in position A Mucron Shape of base in position A A Acute			Black	
Nipple Shape of base in position A Ratio length/width Weight Symmetry in position A Symmetry in position B Symmetric Symmetry in position B Symmetric Number of grooves on basal end Distribution of grooves on basal end Shape of apex in position A Mucron Shape of base in position A A Acute		Symmetry in position A		
Shape of base in position A Ratio length/width Very elongated High Symmetry in position A Weakly asymmetric Symmetry in position B Symmetric Number of grooves on basal end Stone Distribution of grooves on basal end Shape of apex in position A Cute Mucron Present Shape of base in position A Cute			Rounded	
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Weight Symmetry in position A Symmetry in position B Symmetric Symmetry in position B Symmetric Number of grooves on basal end Distribution of grooves on basal end Shape of apex in position A Mucron Shape of base in position A Acute			Truncate	
Symmetry in position A Symmetry in position B Symmetric Symmetric Number of grooves on basal end Distribution of grooves on basal end Shape of apex in position A Mucron Shape of base in position A Acute		Ratio length/width	Very elongated	
Symmetry in position A Symmetry in position B Number of grooves on basal end Stone Distribution of grooves on basal end Shape of apex in position A Mucron Shape of base in position A Acute		Weight	High	
Number of grooves on basal end Distribution of grooves on basal end Shape of apex in position A cute Mucron Shape of base in position A cute A Acute	Stone	Symmetry in position A	,	
Stone Distribution of grooves on basal end distributed Shape of apex in position A Cute Mucron Present Shape of base in position A Cute		Symmetry in position B	Symmetric	
on basal end Shape of apex in position A Mucron Present Shape of base in position A			More than 10	
Mucron Present Shape of base in position Acute				
Shape of base in position Acute			Acute	
Acute		Mucron	Present	
Rugosity of surface Medium			Acute	
		Rugosity of surface	Medium	



MOLECULAR CHARACTERISATION (SSRs)

ι	JDO-43	DCA3	DCA9	DCA16	GAPU-101
2	208/214	251/251	160/202	152/173	189/199

AGRONOMICAL CHARACTERISATION AND COMMERCIAL CONSIDERATIONS

It is a black table variety. It is not recommended for cultivation in non-irrigated areas. Yield is regular under good care conditions. Flowering and fruit ripening period is early. It reaches the 2nd maturation period at the beginning of October. It is a self-fertile variety and Gemlik, Memecik and Erkence varieties are recommended as pollinators. The flesh is soft and easily separated from the pit. It has medium fruitiness, bitterness and pungency for oil sensory characteristics. Oil content is around 18% (Sevim, 2021). Total phenolic content changes between 182-494 mg CAE/kg. It has a high level of α -tocopherol content changing between 380-486 mg/kg (Sevim, 2021). The number of fruits per kg is approximately 260, the flesh/pit ratio is 7,3 (Kaya et al.,2015).

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