

# BERNI - بيرني



## Passport

**Origin and distribution:** rare variety exists in Sokna, Hun and Waddan. It's not present in Zellah and Al Fugha

**Productive area in Al Jufrah Oasis:** 0,5 %

**Mean Production in Al Jufrah Oasis:** 50 Kg/tree

**Agronomic characteristics:** reasonable offshoots capacity

**Flowering period:** from the end of February to the end of March

**Commercial maturity stage:** Rutab and Tamar

**Harvest period:** from September to October by selection of dates and removing of bunches

**Fruit and trade characteristics:** fresh fruits consumption and past

**Quality** ★★★★★





### TREE

Trunk shape	<i>cylindrical</i>	Bunch type	<i>oblique</i>
Foliage shape	<i>erected</i>	Bunch density	<i>very dense - dense</i>
Crown shape	<i>Moderately dense</i>	Bunch colour	<i>orange</i>

### FRUIT

Shape	<i>sub-cylindrical</i>	Flesh thickness	<i>medium</i>
Apex	<i>oval</i>	Presence of fibres	<i>medium</i>
Base	<i>flat</i>	Flesh to seed adhesion	<i>not much</i>
Color	<i>honey - amber</i>	Length	<i>medium</i>
Skin appearance	<i>from smooth to blistered</i>	Width	<i>large</i>
Alteration of skin colour	<i>usually no, sometime marbled</i>	Length/width ratio	<i>medium</i>
Fruit texture	<i>soft</i>	Main weight of 20 fruits (g)	<i>241</i>
Perianth	<i>absent</i>	Main flesh weight of 20 fruits (g)	<i>214</i>
Flesh texture	<i>soft - firm (honeyed)</i>		

### SEED

Shape	<i>sub-cylindrical</i>	Length	<i>medium</i>
Colour	<i>beige - brown</i>	Width	<i>narrow</i>
Surface	<i>smooth</i>	Length/width ratio	<i>high</i>
Presence of mucro or fibrous type	<i>mucro</i>	Main weight of 20 seeds (g)	<i>27</i>
Micropyle position	<i>at the middle</i>	Seed/Fruit length ratio	<i>medium</i>
Ventral furrow shape	<i>not prominent</i>	Seed/Fruit weight ratio	<i>low</i>

### INFLORESCENCE

Spathe Shape	<i>lanceolate - spindle-shaped</i>	N° of spathes/tree	<i>not much</i>
Spathe length	<i>medium</i>	N° of spikelets in the spike	<i>medium</i>
Spathe width	<i>large</i>	N° of flowers in one spikelet	<i>medium</i>

### QUALITATIVE PARAMETERS

Total sugar content (%)	<i>66,1</i>	Magnesium (mg/kg)
Fructose (%)		Potassium (mg/kg)
Glucose (%)		Zinc (mg/kg)
Sucrose (%)		Iron (mg/kg)