

# VALLEY GOLD (ARCCIT 1614)

## KEY ATTRIBUTES

High yielding, high quality, seedless mandarin variety.

## TREE CHARACTERISTICS

Trees are upright, cylindrical and thornless.

## FRUIT SIZE

Fruit is optimum in size, ranging from size 1–3, 54-75mm in diameter and is very uniform with a high crop.

## EXTERNAL APPEARANCE

Fruit is orange to deep red externally and the rind is rain and blemish resistant. Pack 82-97% fruit from the orchard.

## INTERNAL APPEARANCE

The internal fruit colour is dark orange.

## SEED

Fruit is commercially seedless when planted in isolated blocks.

## PEELABILITY

The fruit is firm and peel moderately easily, leaving little albedo.

## CROSS POLLINATION ABILITY

Flowers have normal amount of pollen with a medium pollen viability.

## OPTIMUM RIPENING DATE

Fruit matures mid-June to end-July in Southern Hemisphere and mid-December to mid-February in Northern Hemisphere.

## DISADVANTAGES OF VARIETY

This selection sets a very large crop. Some fruit splitting occurs in March / April in the Southern Hemisphere and September / October in the Northern Hemisphere. After the split fruit has dropped, the crop load is still high, with a good even sized fruit.

## HYBRID

Ellendale x Robin hybrid made by hand pollinations in 1980. Seeds were irradiated prior to planting in an attempt to induce seedlessness.

## ORIGIN

ARC-ITSC, Addo Research Station, Addo, Eastern Cape, South Africa. Selected in 1992.

## IP MANAGER

CITRICOM IP of Stellenbosch, South Africa in the following territories; EU, Morocco, USA, Brazil, Mexico, Chile, Peru, Uruguay and New Zealand.

## OWNER

ARC-ITSC, South Africa



## FRUIT QUALITY DATA

*Trees planted at Addo, Eastern Cape, South Africa. Established in 1997, on Carizzo citrange rootstock, under micro irrigation with fertigation*

21 JULY 2003

14 JULY 2004

22 JULY 2005

	T1	T1	T1
RIND COLOUR			
JUICE %	54.6	61.1	52.5
BRIX	13.0	14.0	14.2
ACID %	0.96	1.13	1.03
BRIX /ACID RATIO	13.5	12.4	13.8

## EXPERIMENTAL

*Trees planted at Dunbrody Estates, Sunland, Eastern Cape, South Africa. 1 ha established in 1997 on Carizzo citrange rootstock, planted at a spacing of 5.5 x 2m on virgin soil. Trees planted on slight ridges, with double line drip irrigation, fertigation and mulching.*

YIELD DATA	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
TREE AGE (YEARS)	15	16	17	18	19	20	21	22	23	24
CARIZZO (TON/HA)	79	57	72	54	62	60	29	56	51	81
SWINGLE (TON/HA)	43	57	79	68	57	29	30	72	47	50