
'LIHUEN' A NEW VARIETY OF YELLOW-FLESH KIWIFRUIT (ACTINIDIA CHINENSIS)

DESCRIPTION

'Lihuen' is a particular genotype, distinguished by its agronomic and organoleptic traits. This new genotype was registered under the name of 'Lihuen', which means "light" in the Mapuche language. 'Lihuen' is a yellow-fleshed kiwifruit, which presents mid period blooming (End of October) and harvest (150 days after full flower), according to the UPOV guidelines. The fruit has an oblong shape with a flat, style tip. It is regular/big sized, hairless and its skin is light brown. It has a high content of soluble solids (10-11%) and dry matter (18-19%) at harvest. It has a greenish-yellow (Hue 105-111°) color that later on turns yellow (Hue 98-103°). At consumption the soluble solids reach 15%.

DATE OF HARVEST

- Yield: 30 ton / ha (potential).
- Size: Good size in youth stage (equatorial 48 mm and polar 66 mm).
- Sensory quality: High sensory acceptability, above what was evaluated in Hayward and similar to the 'Kiss' variety in several attributes evaluated.
- Hayward, the flowering of Lihuen occurs 23 days before, and the harvest 21 days before.



KNOWHUB
Technology
Transfer
Chile

TECHNOLOGY

PORTFOLIO



HARVEST MATURITY INDICATORS

- Dry material (%): 18-19% harvest.
- Soluble Solids (%): 10-11% harvest. 15-16% consumption.
- Pressure (lb): 8-10 lb harvest.
- Storage capacity (days): 30 days at 0 °C with normal atmosphere (no trials have been performed for a longer period).
- Kiwi's performance in fields of the VII region will be evaluated, since all the tests have been carried out in the Metropolitan Region.
- Evaluation have been carried out in a storage period of 30 days at 0°C and 15 days at 20°C.

Storage variables 0°C	2017-2018	2018-2019
Days at 0°C	30	32
Color (H°)	106-111	105-112
SSC (°Brix)	12,70	12,7

Consumption variables	2017-2018	2018-2019
Days at 20°C	12	12
Color (H°)	100-107	98 - 101
SSC (°Brix)	14,90	15,58

COMPETITIVE ADVANTAGE

“Lihuen” is a yellow-fleshed kiwifruit, which presents mid- period blooming and harvest (according to the UPOV guidelines). The fruit has an oblong shape with a flat, style tip. It is regular/big sized, hairless and its skin is light brown. It has a high content of soluble solids and dry matter. Sensorially, “Lihuen” presents as highly acceptable—greater than “Hayward”—being similar to other yellow-fleshed varieties.

RECORD DESCRIPTION

- Grant number: 96/17
- Grant start date: 2017-11-16
- Variety identifier: 1712
- Application number: 1712
- Application date: 2017-05-27

Parties Concerned

- Rodrigo Infante E.: Breeder
- Universidad de Chile: Title holder.

oastudillo@knowhub.cl
www.knowhub.cl
CHILE



KNOWHUB
Technology
Transfer
Chile