



The Garden of Peace
Cultural Association - Madrid
NIF: G05315767

METHODOLOGY

The "Agronomic and commercial considerations" include different information. This information has been divided as follows:

Start of bearing

Interval between planting and first relevant production

Three categories have been established:

Early (2nd year)

Intermediate (4th year)

Late (5th year or later)

Productivity

The quantity of product obtained per surface unit covered by the crop. This parameter is referred to as the tree. Since this parameter is affected by cultural practices and the environment, clearly the reference markers should be considered comparative and should be used with all due caution.

Three broad groups have been identified:

Low

Medium

High

Bearing

This character also depends partially on the cultivar and is also affected by agronomic practices and environmental conditions.

Two categories have been established:

Alternate: when the cultivar displays clear irregularities in bearing;

Constant: when there are only slight fluctuations in the annual crop;

Oil yield at the mill

This character is influenced heavily by the harvesting time and the extraction method used. The cultivars have been divided into three categories on the basis of the information available:

Low (<18%)

Medium (18-22%)

High (>22%)

Flesh detachment from the stone -

Characteristic interesting only for table olives. Two categories have been established:

Easy
Difficult

Rooting ability

This character refers to the rooting ability when mist propagated as leafy stem cuttings with conventional IBA treatment (Indolebutyric acid: Abroad spectrum endogenesis plant growth regulator). Four categories have been identified:

Nil
Low (<20%)
Medium (20-60%)
High (>60%)

Time of flowering

In this case, each item of information is a comparative value for specific environments. Three categories have been identified:

Early
Intermediate
High

Compatibility

This defines the characteristic that enables de pollen to germinate and develop until fertilisation in the flower. The cultivar in this case is considered self-compatible and does not require pollinators. Three categories have been established:

Self-compatible (when only slight differences in fruit set exist between self-fertilization and open pollination);
Partially self-compatible (when fruit set may occur occasionally as a result of self-fertilization)
Self-incompatible (when fruit set is not possible by self-fertilization)

Time of ripening

The time of ripening depends on the cultivar and the environment. Three categories have been established for this character:

Early (late autumn)
Intermediate (early winter)
Late (late winter)

Fruit removal force

This parameter is linked to physiological maturation. It can be used as an indicator for possible mechanical harvesting. The cultivars are evaluated during colour change of the fruit and are grouped into three categories:

Low
Medium
High

Tolerance or sensitivity to biotic and abiotic factors

Abiotic factors are identified with the characteristics of the environment and have no relation to the presence of living beings. Biotic factors, on the other hand, consist of the living organisms that are present in the environment and the relationships between them.

Biotic factors

Regarding plant or animal pests, the following pests of general interest were mainly considered:

Verticillium dahliae (verticillium wilt)

Spilotea oleagina (olive leaf spot)

Gleosporium olivarum (anthracnose of olive)

Pseudomonas savastanoi (olive knot)

Bactrocera oleae (olive fruit fly)

Abiotic factors

Information is given in relation to specific situations of stress affecting wide areas of the olive-growing countries. The following abiotic factors were considered:

Cold

Aridity

Salinity

Lime

Two categories have been established for the descriptors in this last section of the file dealing with pest and diseases and stress:

Sensitive/susceptible (when greater or specific damage has been observed)

Tolerant/resistant (when the cultivar has shown "tolerance" in situation of fairly generalised attack or damage).