

Land-use Planner

Engage in participatory land-use planning



Perennial crop

Country Colombia
 Region Tolima and Sucre
 Currency Colombian Peso (COP)
 Date 21-01-2021

Land use **Aguacate / Aguacate**

Description Cultivo de aguacate en Tolima, Colombia.

PRODUCTION

Maximum production in tons per hectare (productivity at peak year) 8.00 Tons
 Year of first harvest 1 Year
 Year of highest production (peak year) 7.0 Year
 Last year of harvest (end of production) 20 Year
 After the last year of harvest, the plantation is replanted Yes

The reference year (Year 1) is the year of plantation. The last year of harvest is when the crop stops producing or when the farmer decides it is no longer worth to harvest the land use.

Yield profile, in tons per hectare for each year over the lifetime of the plantation

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
| 2.12 | 3.91 | 5.38 | 6.53 | 7.34 | 7.83 | 8.0 | 7.83 | 7.34 | 6.53 | 5.38 | 3.91 | 2.12 | 1.28 | 0.96 | 0.88 | 0.64 | Tons |
| Year 18 | Year 19 | Year 20 | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 | Year 26 | Year 27 | Year 28 | Year 29 | Year 30 | Year 31 | Year 32 | Year 33 | Year 34 | |
| 0.56 | 0.32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Tons |
| Year 35 | Year 36 | Year 37 | Year 38 | Year 39 | Year 40 | Year 41 | Year 42 | Year 43 | Year 44 | Year 45 | Year 46 | Year 47 | Year 48 | Year 49 | Year 50 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | Tons |

VALUE

In currency per ton 2,500, COP
 000.00 EUR
 750.00 EUR

This corresponds to the local price for the raw produce, in the local market, unless specified differently in the comments section below. In case the raw produce is transformed locally, the price of the processed product may be used to better reflect its local value. Note that the estimated value in Euros may have changed with evolving exchanged rates since the creation date of this worksheet.

COSTS

Costs to establish the plantation (land preparation, seeds & seedlings...) excluding labour costs, per ha 16,200, COP
 000.00
 Costs to maintain the plantation during unproductive years (weeding, fertilizers, insurance...), per ha and per year 4,000, COP
 000.00
 Costs during production years (including harvest costs), per hectare and per year, excluding labour 1,000, COP
 000.00

These are the average non-labour costs supported by farmers. Costs related to the processing of the raw produce are only included in production years if the price indicated above was that of the processed commodity.

LABOUR

Days of work per hectare to establish the plantation (planting year) 30.00 Days (F)
 Days of work to maintain the plantation during unproductive years, per ha and per year 50.00 Days (F)
 Days of work during production years, per hectare and per year 30.00 Days (F)

TREES ON FARMS

Average number of trees on farmland per hectare 15.0 Trees
 This is particularly relevant for shade-grown cultivation and agro-forestry systems

CARBON

Carbon stock in the biomass of the perennial crop in tons of carbon per hectare 30.0 tC
 The average carbon stock found in this perennial crop over the lifetime of the crop plantation

BIODIVERSITY

Relative biodiversity value estimate expressed in % of the biodiversity value found in local intact natural forests 30.00 %

OTHER INFORMATION

Acknowledgement: . Compiled by the European Forest Institute through the Land-use Planner website.