

CORE Organic Project DOMINO – Task 2.2 – Questionnaire

Information about farmer and farm

Age: _____ Gender: male female Education: _____

Member of producer association: yes no

Method of marketing: direct retailer wholesaler association other: _____

Village: _____ Altitude about sea level: _____ Farm size (ha) in total: _____

Size (ha) of fruit production per crop: _____

Average rainfall/year (mm): _____ Organic production since when? _____

General Information about orchard (Please answer the questions in this section for the most important variety in terms of area)

Soil type: _____ Soil number: _____

Age (years) of orchard: _____ Since when (year) is area used for fruit production? _____

How frequent is replanting of fruit species in the same field?

never second time third time more than three times

Is there crop rotation? yes no if yes: with which fruits or crops? _____

Are there any replant problems? yes no

Planted varieties and area (ha) per variety: _____

Rootstocks: _____

Planting density: distance (m) between rows: ____ distance (m) between trees in the row: ____

Type of tree system: _____

Average yield (tonnes) per ha: _____

Irrigation: yes no if yes: type of irrigation: sprinkler drip irrigation other: _____

Are you using decision support systems? yes no if yes: which models and sensors?

Are you applying deficit irrigation systems? yes no

Anti-hail net: yes no if yes: colour of net? _____

Insect net: yes no if yes: colour of net? _____ mesh width: _____

Rain cover: yes no if yes: type or rain cover: _____

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Information about biodiversity in the orchard

Consociation of different crops: yes no if yes: composition of mixture? different fruit trees fruit trees and vegetables fruit trees and herbs others: _____

Flower strips: yes no if yes: composition of mixture: _____

Management of flower strip: mulching? yes no

How many mulching passes of the flower strip per season? _____

Time of mulching of the flower strip? _____

Hedges: yes no if yes: location of hedge? inside orchard outside orchard

Composition of plants in hedge: _____

Other biodiversity elements in orchard: yes no if yes: which: _____

Information about fertilization of the orchard

Are you using decision support systems? yes no if yes: which models? _____

Type of fertilizers used: base fertilizer (manure, compost) liquid

commercial solid/pellet other: _____

Please specify the used liquid and/or commercial fertilizers: _____

Amount (tonnes) of fertilizer per ha (calculation including alley between tree rows)? _____

Time of fertilizer applications: _____

Distribution of fertilizer: over whole surface only in the plant row other: _____

Use of compost/soild manure: yes no if yes: type of compost or manure (if available: nutrient analysis): _____

Amount (tonnes) of compost/soild manure per ha and time of applications: _____

Use of other recycled materials: yes no if yes: type of material (if available: nutrient analysis): _____

Amount (tonnes) of recycled material per ha and time of applications: _____

Use of legumes as intercrops: yes no if yes: composition of mixture: _____

Management of intercrops: _____

Liming: yes no

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Information about plant protection in orchard

Are you using decision support systems? yes no If yes: which models for which disease/pest? _____

Used fungicides: copper sulfur lime sulfur potassium bicarbonate clay

others: _____

Number of fungicide applications: 0 1-3 4-10 10-15 15-20 >20

Used insecticides: azadirachtin pyrethrum paraffin/white oil spinosad kaolin

calcium hydroxide granulose viruses *Beauveria bassiana* *Bacillus thuringiensis*

quassia others: _____

Number of insecticide applications: 0 1-3 4-10 10-15 15-20 >20

Others plant protection agent used (including number of applications): _____

Management of leaf litter: mulching use of vacuumer other: _____

Are you using mating disruption? yes no

Main diseases and pests that causes problems? _____

Information about used machinery in orchard

Type of mulcher: _____ Average number of mulching passes per season: _____

Type of sprayer: _____

Type of hoeing machine: _____ Average number of hoeing passes per season: _____

Are you thinning flowers mechanically? yes no if no: how do you thin flowers? manually

chemically (e.g. lime sulfur or potassium bicarbonate) other method: _____

Other machinery used: _____ Average number of passes per season: _____

Where do you see a need for research activities to further develop/improve organic orchards?
