



Figure S1. Geographical localization of the almond orchards: the blue area indicates the Ferraduel orchard, while green and yellow areas indicate Ferragenes and Garrigues orchards, respectively.

Table S1. Nutrient requirements for almonds trees according to yield production.

	Yield Production of 1000 kg/ha	Yield Production of 4000 kg/ha
Nitrogen	30	90
Phosphorus	20	50
Potassium	40	100
Magnesium	20	50

Table S2. Fertilizers application dates via fertigation in almond orchards.

Date	Fertilizer (Content)
January: 1st half	Phosphoric acid (54% P ₂ O ₅)
January: 2nd half	Nitrogenous solution (32% N)
February	Potassium nitrate (13-0-46)
March: 1st half	Potassium nitrate (13-0-46)
March: 2nd half	Ammonium nitrate (33.5% N)
April	Ammonium nitrate (33.5% N)
May	Potassium nitrate (13-0-46)
June	Ammonium nitrate (33.5% N)
July	Potassium nitrate (13-0-46)
August	Ammonium nitrate (33.5% N)
September	Nitrogenous solution (32% N)
October: 1st half	Potassium nitrate (13-0-46)
October: 2nd half	Nitrogenous solution (32% N)
November	Phosphoric acid (54% P ₂ O ₅)
December	Phosphoric acid (54% P ₂ O ₅)