

### Typical South African apple farms

Region	Elgin, Grabouw, Villiersdorp, Vyeboom: ZA-80-EGVV	Ceres: ZA-120-C
Total farm size, ha	90	144
- full production, ha	70.3	96
- non-full bearing, ha	5.09	14.4
- in establishment, ha	5.09	9.6
- other farm branch or fallow, ha	10	24
Lifetime orchard, years	25 years	20-30 years
Average time to first full yield after planting	6	6
Yield on farm 2011, t/ha	45-60	50-80
Total production 2011, t/farm	3,980	6,866
Average use of plant protection products, EUR/ha	1,298	1,046
Average use of fertiliser, EUR/ha	192	388
Average rainfall, mm/year	990	614
Share of irrigated orchards (%)	100	100
Irrigation system	Drip irrigation, micro aspersion	Drip irrigation, micro aspersion
Top 3 varieties grown		
– Name 1	Golden Delicious	Red Delicious
– ha	20	22.8
– Name 2	Granny Smith	Golden Delicious
– ha	16.8	21.1
– Name 3	Royal Gala	Pink Lady and Royal Gala
– ha	11.2	14.4 each
Trees per ha	1,667	1,767
Distance between the rows (m)	4	4
Canopy management / production system	Spindel	Spindel
Legal form	Family farm	Family farm
Decoupled payment, EU subsidies (per ha)	No	No
Subsidies (per farm) (e.g., for irrigation system, hailnets etc.)	No	No
Vertical market integration/marketing channels	Contract with exporter or export cooperative	Contract with exporter or export cooperative
Participation in private quality certification scheme	Global Gap SEDEX	Global Gap, Tesco Nurture
Family labour (hours per year)	2,052	2,160
Hired labour (hours per year)	55,404	101,520
Seasonal workers (hours per year)	59,450	136,080
Use of own machinery	Yes	Yes
Use of hired machinery / contractors / co-operative machine pool	No	No
Harvest	Manual	Manual