

Appendix 3. Summary of quantitative data from fieldwork.

Parameter	Value	Units
Abandonment rate of irrigated land (reference value)	0.0025	1/year
Animal units per cattle (used to calculate the carrying capacity of rangeland)	1	AU/cattle
Animal units per goat (used to calculate the carrying capacity of rangeland)	0.17	AU/goat
Average rainfall (1940-2010)	175	mm/Year
Birth rate of cattle	0.57	1/year
Birth rate of goats	1	1/year
Carrying capacity of rangeland (reference value)	29.6	Ha/AU
Cattle per labor unit	100	Cattle/person
Cheese production per goat (reference value)	21	Kg/year
Common lands area (“Ejido”)	69,873	ha
Economically active population	0.34	Dimensionless
Emigration rate of population (reference value)	0.02	1/year
Labor per unit area in irrigated land	1	Persons/ha
Number of “ejidatarios” (users of common lands)	60	Persons
Number of goats per labour unit	133	Goats/person
Population birth rate	0.031	1/year
Population death rate	0.0095	1/year
Private property area	36,800	ha
Production per hectare for reference crops	2,663	Kg/ha
Sale rate of adult goats (reference value)	0.05	1/year
Sale rate of cattle	0.19	1/year
Sale rate of young goats (reference value)	0.5	1/year
Total predation of cattle (in drought periods)	400	Cattle/year
Total predation of goats (in drought periods)	1,000	Goats/year
Weight of cattle for sale	250	Kg/cattle
Weight of goat for sale	12	Kg/goat