

Indicators of Vulnerability- circle 1-4 for each indicator

SAMPLE VULNERABILITY INDICATORS			
Indicator	Description	Valuation	Score
Crop diversity	Monoculture: only one crop species grown	High vulnerability	4
	Only 2 crop species grown	Medium vulnerability	3
	Between 3-4 crop species grown	Low vulnerability	2
	More than 5 crop species grown	Very low vulnerability	1
Genetic diversity	Monoculture: only one variety of each crop	High vulnerability	4
	2 varieties of each crop	Medium vulnerability	3
	3-4 varieties of each crop	Low vulnerability	2
	More than 5 varieties of each crop	Very low vulnerability	1
Soil quality	< Than 1 % organic matter content, soil 100% uncovered	High vulnerability	4
	Between 2-3 % organic matter, 30-50% soil covered	Medium vulnerability	3
	4 to 5 % organic matter, 50-70 % soil covered	Low vulnerability	2
	> 5 % organic matter, > 70% soil covered with mulch or other materials	Very low vulnerability	1
Water use and conservation	No irrigation, no water conservation in practices, soil dries quickly	High vulnerability	4
	Limited access to irrigation, little water conservation practices, soil dries but not so quickly	Medium vulnerability	3
	Access to irrigation, at least one water conservation practice, soil remains humid for a few days	Low vulnerability	2
	Unlimited access to irrigation, more than two water conservation practices, soil remains humid for several days	Very low vulnerability	1

Indicators of Adaptive Capacity- circle 1-4 for each indicator

Describe in paragraphs the indicators that chose of adaptive capacity. Make sure to consider how easy your indicators are to interpret, how sensitive they are to change, and how integrative they are of your entire farming system.

Also include a table based on sample below. Make sure that your descriptions represent an aspirational scenario for “High response capacity” and a worst case scenario for “Very low response capacity.”

SAMPLE RESPONSE CAPACITY INDICATORS			
Indicator	Description	Valuation	Score
Knowledge and skills	No knowledge about adaptation practices	Very low response capacity	1
	Limited knowledge about adaptation practices, few management skills on how to react to the threat (eg. drought)	Low response capacity	2
	Basic knowledge of adaptation practices, some management skills to deal with the threat (eg. drought)	Medium response capacity	3
	Sufficient knowledge about adaptation practices, and skills on how to manage the farm when affected by the threat (eg. drought)	High response capacity	4
External inputs dependency	More than 90% of inputs (water, fertilizer, mulching material, etc.) come from outside the farm	Very low response capacity	1
	Between 50-90% of inputs come from outside the farm	Low response capacity	2
	Between 20-50% of inputs originating outside of the farm	Medium response capacity	3
	Less than 20% of inputs come from outside the farm; and farmers are relatively free of debt and have low dependency of markets	High response capacity	4
Social organization	Farmers do not belong to a social organization or community network	Very low response capacity	1
	Farmers occasionally join farmers groups or networks	Low response capacity	2
	Farmers participate 50% of their time in networks of mutual help	Medium response capacity	3
	Farmers organized in cooperatives or community groups for mutual help and collective action, with 100% participation	High response capacity	4
Institutional support	No support from outside institutions	Very low response capacity	1
	Occasional support from outside institutions	Low response capacity	2
	Some access to external support	Medium response capacity	3
	Farmers obtain steady support in the form of crop insurance, credit, extension services, technical advice, etc.	High response capacity	4
Ecological services	Farmers don't use practices that provide ecological services (i.e. soil water storage) thus crops do not withstand drought impact	Very low response capacity	1
	Farmers rarely use practices that provide ecological services	Low response capacity	2
	Farmers use one or more practices that enhance ecological services and crops exhibit medium tolerance to drought	Medium response capacity	3
	Farmers can rely on the soil and plant management practices they use for their crops to withstand and recover from drought	High response capacity	4

Calculate climate risk: Vulnerability / Response capacity.

0-1: Very low risk
1-1.5: low risk
1.5-2: moderate risk
2-4: Very high risk