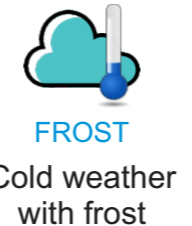
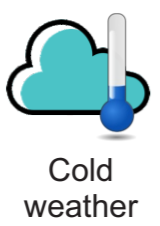


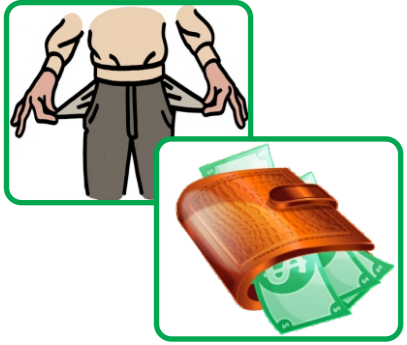
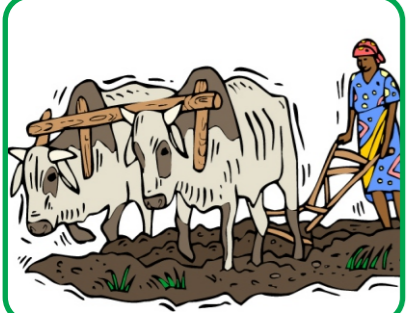


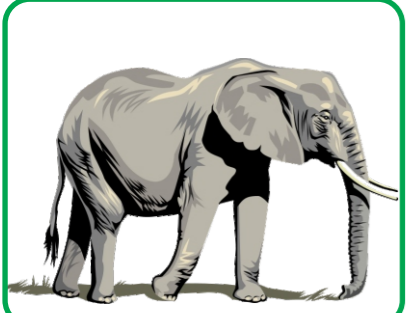

SEASONAL CALENDAR

Time of Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Hazard							 FROST	 FROST				
Low Income												
High Income												
Crop Season												
Rainfall Season												
Drought												
Floods												
Fire												
Elephants												
Stock Theft												

Key:



Notes for the facilitator:

Hazard	Description	Mitigation
	<ul style="list-style-type: none"> <input type="checkbox"/> Household income differs from time to time. <input type="checkbox"/> At some times you have high incomes and at some other times you do not get a lot of income. 	<ul style="list-style-type: none"> ● In times of low income, try to look for casual jobs or prepare lands and engage in crop production. ● When income is low you could also drive livestock to relief feeding pastures and find alternative water sources. ● In times of high income, farmers can buy inputs in advance, and invest in VS&L and assets such as carts & tools. Try to also save part of your income.
	<ul style="list-style-type: none"> <input type="checkbox"/> This refers to the cropping season. <input type="checkbox"/> In other words, the time in which the rainfall and temperatures allow plants to grow. 	<ul style="list-style-type: none"> ● Plant small grains as these are drought tolerant. ● Enrich the soil by practicing micro-dosing of both fertiliser and manure. ● Apply top dressing fertiliser when the soil is wet in the morning. ● Scout for pests and diseases and use recommended pesticides. ● Do not weed when the fields are too wet.
	<ul style="list-style-type: none"> <input type="checkbox"/> Our regions are prone to prolonged periods of low rainfall which leads to shortages of water. <input type="checkbox"/> This is very disruptive and damaging to crops, livestock and people alike. <input type="checkbox"/> Veld fires are also common during droughts because of the very high temperatures. 	<ul style="list-style-type: none"> ● Plant small grains and practice conservation agriculture. ● Plant certified crop varieties. ● Plant pest and disease tolerant crop varieties. ● Produce small stock, especially indigenous chickens and goats. ● Practice supplementary feeding, manage problem plants and rehabilitate water points such as dams and boreholes.
	<ul style="list-style-type: none"> <input type="checkbox"/> Forest and veld fires are common during droughts and the dry season. <input type="checkbox"/> The main causes of fire are cigarette stubs, uncontrolled burning of fields and grazing lands, lightning and very high temperatures. <input type="checkbox"/> Fires can cause injuries or death to people and animals, and also extensive damage to property, pastures and the environment. 	<ul style="list-style-type: none"> ● Construct fireguards around paddocks, woodlots, homesteads, crop lands and boundary fences. ● Construct fireguards from April to June, using ox-drawn ploughs and ensure regular maintenance. ● The fireguards should be 9m in width and at least 4.5m for the internal ones. ● Have an agreed fire alert system e.g. bell or drum beat.
	<ul style="list-style-type: none"> <input type="checkbox"/> Some of our villages are in contact with wildlife such as elephants, buffaloes, hyenas, wild dogs, lions and jackals. 	<ul style="list-style-type: none"> ● Avoid opening cropping land in designated wildlife sanctuaries. ● Do not damage game park security fences in order to allow livestock to graze or find water. ● Report wild animal invasions of communal lands to game rangers. ● Do not attempt to kill or drive the wild animals away. Practice communal herding.
	<ul style="list-style-type: none"> <input type="checkbox"/> This is where people unlawfully and intentionally steal livestock. <input type="checkbox"/> Stolen livestock is usually consumed or sold very cheaply. 	<ul style="list-style-type: none"> ● Pen all livestock at night. ● Organise yourselves and do night patrols. Report suspected bogus sales. ● Sell all livestock through the approved marketing systems. ● Have all livestock captured on stock cards. ● Brand all livestock and use herdboys to look after livestock in grazing lands.