



**National Drought Management Authority
ISIOLO COUNTY
DROUGHT EARLY WARNING BULLETIN FOR SEPTEMBER 2021**

September 2021 EW Phase

Drought Status: Alarm



Maandalizi ya Dharura

Early Warning Phase Classification

Livelihood Zone	EW PHASE	TRENDS
Pastoral-All Species	Alarm	Worsening
Agro-Pastoral	Alert	Worsening
Casual Waged Labour /Charcoal burning	Alert	Worsening
County	Alarm	Worsening
Biophysical Indicators	Value	Normal Range/Value
Rainfall (% of Normal)	7.50mm	>0.4mm
VCI-3month (Isiolo)	27.95	>53.5
State of Water Sources	3	5
Production Indicators	Value	Normal
Livestock Body Condition	Fair to poor	Fair to Good
Milk Production	1.05 Litres	>1.33 Litres
Livestock deaths (from drought)	Few deaths	No deaths
Livestock Migration Pattern	Internal migration	Normal
Access Indicators	Value	Normal
Terms of Trade (ToT)	50.0	>55.6
Milk Consumption	0.8 Litres	>1.02 Litres
Return distance (water sources to households)	4.1km	<4.9km
Cost of water at source (20 litres)	Ksh 2-5.00	<Ksh. 5.00
Utilization indicators	Value	Range/Value
Moderately malnourished	10.1 percent	<3.1 percent
Severely malnourished	3.5 percent	<1.0 percent
Coping Strategy Index (CSI)	12.38	<13.7
Food Consumption	43.9	>40.3

Drought Situation & EW Phase Classification

Biophysical Indicators

- The month's weather conditions was characterized by hot sunny weather and heavy cloud cover accompanied by strong winds.
- Vegetation condition remained at severe vegetation deficit.
- A great proportion of accessible forage was poor a factor that led to migration to dry season grazing reserves though insecure.
- Water availability was fair due to poor recharge while distances to sources remained high in pastoral livelihood zone.

Socio Economic Indicators (Impact Indicators)

Production Indicators

- Body condition for majority of livestock was fair to poor for goats, sheep and cattle and deteriorating in all livelihood zones. Few cattle deaths due to starvation reported in the county.
- Household milk production was low and expected to deteriorate further as forage and water shortage continue.

Access Indicators

- Livestock market performance was above LTA but deteriorating steadily while food commodities prices remained relatively high attributed to low stocks held.
- Household milk consumption was poor due to its low availability as a result of the reduced production.

Utilization Indicators

- Proportion of households with poor and borderline food consumption increased slightly.
- Proportion of children who were moderately malnourished increased slightly.

<ul style="list-style-type: none"> ▪ Short rains starts ▪ Short dry spell ▪ Reduced milk yields ▪ Migration to dry season area ▪ Land preparation 	<ul style="list-style-type: none"> ▪ Migration to wet grazing areas ▪ Long rains ▪ High Calving Rate ▪ Milk Yields Increase ▪ Reduced pasture/water stress (Normal Scenario) 	<ul style="list-style-type: none"> ▪ Long rains harvests ▪ A long dry spell ▪ Increased distances to water and pasture ▪ Reduced water levels ▪ Kidding (Sept) ▪ Community/HH coping measures taken 	<ul style="list-style-type: none"> ▪ Short rains ▪ Planting in Agro-pastoral LZ ▪ Migration from dry season area ▪ Increased milk yield ▪ Reduced pasture/water stress (Normal scenario) 								
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

1. CLIMATIC CONDITIONS

1.1 RAINFALL PERFORMANCE

- From figure 1 below, dekadal rainfall estimates (RFE) amounts for the first and second dekad were below normal when compared to their respective long-term dekadal RFE averages.
- Generally, current dekadal rainfall amounts had a normal trend for the two dekads of the period under review with significantly similar rainfall amounts compared to the long-term average.
- Normalized Difference Vegetation Index (NDVI) for the first, second and third dekad were below normal when compared to their respective long-term dekadal NDVI values.

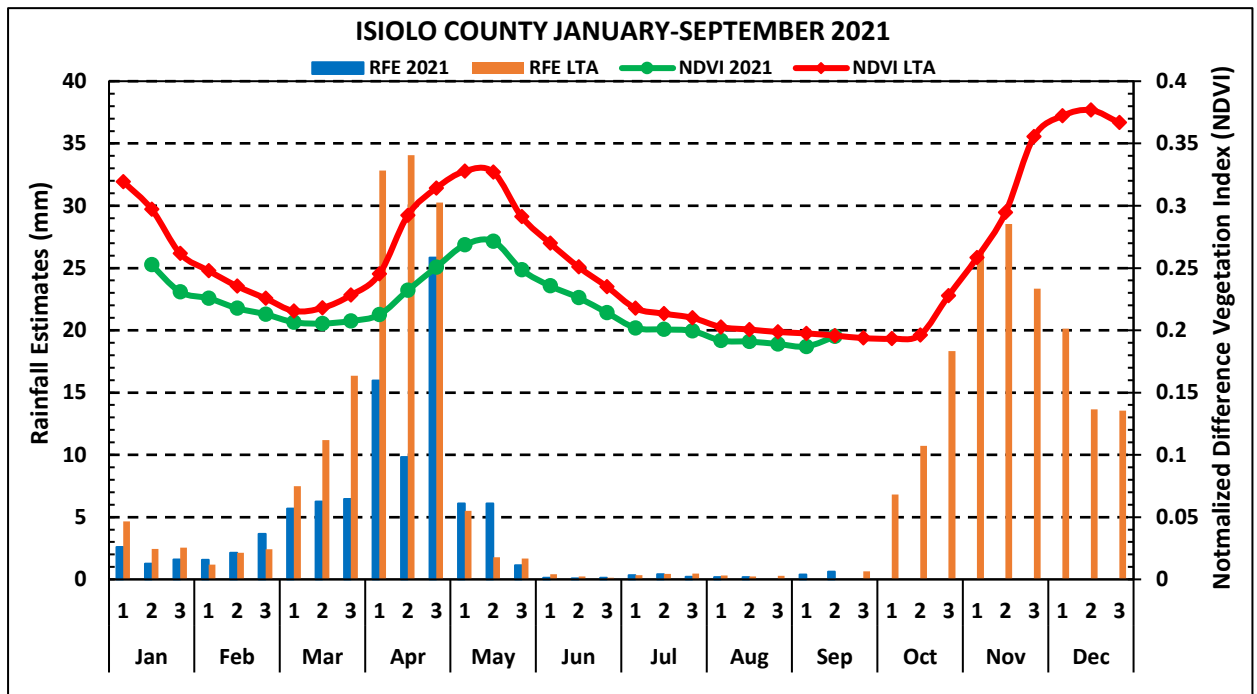


Figure 1: Average NDVI and RFE Estimates

1.2 AMOUNT OF RAINFALL AND SPATIAL DISTRIBUTION

- A greater proportion of the county remained dry apart from a small portion of Oldonyiro ward which received some showers accumulating to 49.4mm. The showers had some significance on vegetation regeneration and no significance to ground water systems.
- The short rains season performed is expected to start in the month of October with a further projection that the rains will be below normal.

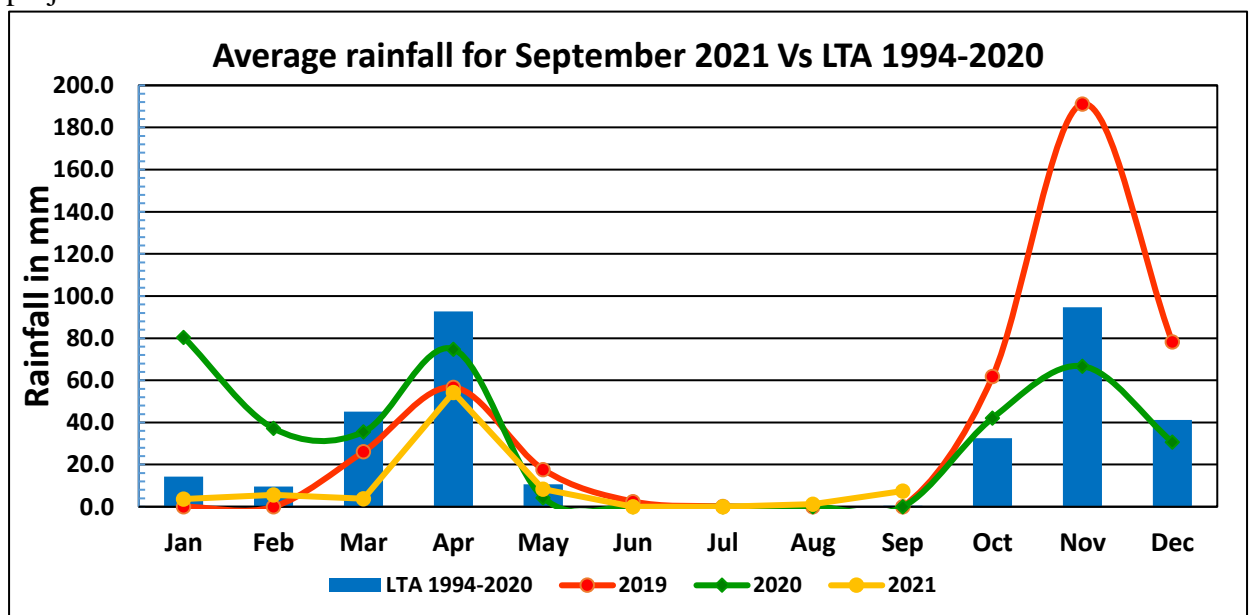


Figure 2: Average amount of rainfall (station data)

2.0 IMPACTS ON VEGETATION AND WATER

2.1 VEGETATION CONDITION

2.1.1 Vegetation Condition Index (VCI)

- The matrix below illustrates September 2021 Vegetation Condition Index, classified as agricultural drought based on VCI thresholds. The chart shows a retrospective analysis of the vegetation condition as related to drought.

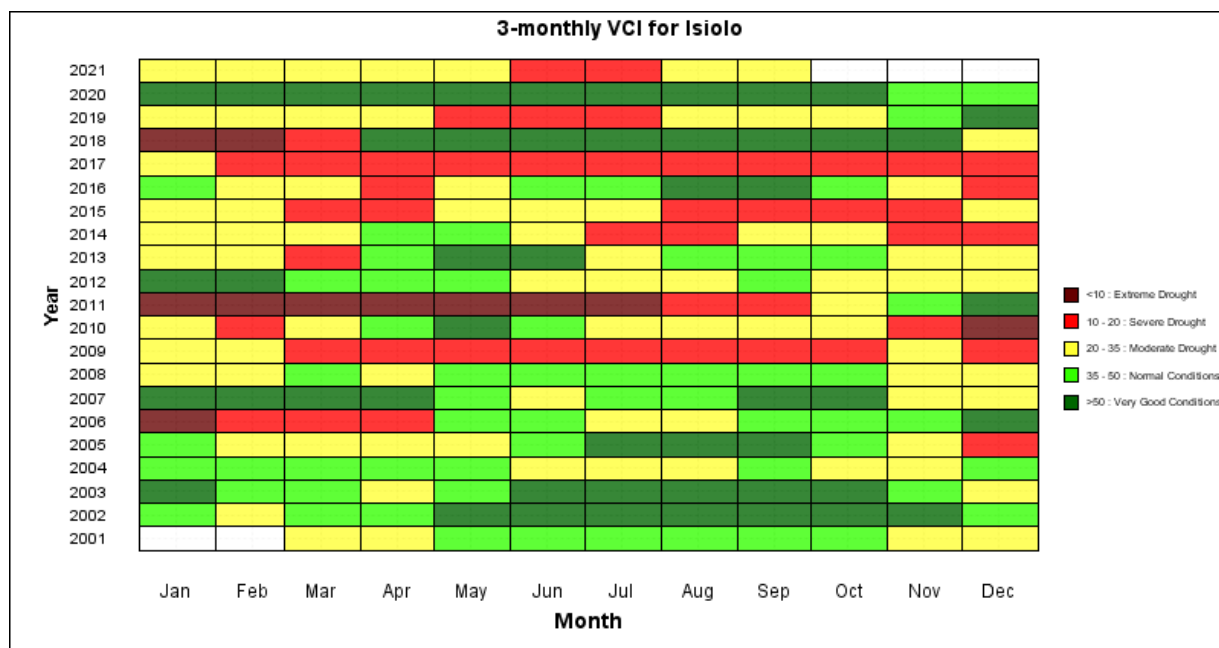


Figure 3: Vegetation Condition Index for Isiolo South Sub-County

- The county had a VCI value of 27.9 implying that the county remained at the moderate vegetation deficit band.
- The overall 3-month vegetation condition remained in the moderate vegetation deficit status, signifying conditions of moderate drought as confirmed by ground observations.
- The index has had positive increases though slight, a phenomenon that has been attributed to greening of acacia trees which signifies the proximity of onset of the short rains.
- Vegetation condition is expected to have some improvements in the following month, when the short rains are expected to start.

2.1.2 Pasture

- Majority of county’s accessible grazing areas had poor pasture, attributed to depletion of palatable vegetation. The situation has been worsened by depletion of palatable grass species and unintentional bush fires.
- The condition of pasture in traditional grazing areas is very poor such that they cannot manage to sustain the few lactating herds remaining behind. This has forced a number of farmers to buy supplementary feeds and hay.
- Significant amounts of pasture that could last for an estimated period of two months are available at dry season grazing reserves such as Dare Dima-Belgesh in Garbatulla ward, Duma, Yamicha, Urura, Machalo, Dogogicha Cherab and Nyachis, Kom, Kuro bisan Owo in Charri ward. The other dry season grazing reserve is in Kinna ward, towards Nyambene Hills.
- The dry season grazing reserves are however experiencing heavy livestock influx, a factor that could rush the rapidity of depletion than earlier projected.
- Overall pasture condition in the month under review was poor, being worse than the reported status at a similar period in the previous year and in the long-term.

2.1.3 Browse

- Majority of browse was poor in the agro-pastoral and pastoral livelihood zones due to poor regeneration, shedding of leaves, and depletion by livestock and bush fires in some areas.

- There are significant amounts of browse resources available in dry season grazing reserves and a few other parts in Garbatulla, Ngaremara and Kinna wards where quite a significant fraction of livestock are grazing amidst scares by prevailing insecurity and acute water shortage.
- Areas with considerable amounts of browse include Kinna-Kulamawe stretch, Kom-Nyachis, Yamicha, Urura and lower parts of Ewaso Nyiro flood zone in Sericho.
- General browse condition in the month under review was poor, with the current situation being worse compared to a similar period in the previous year and in the long-term.

2.1.4 Water Sources;

- Main water sources during the period under review were boreholes, rivers, springs, shallow wells, traditional river wells and sand dams. Over 95% of water pans have dried up.
- Water volumes in majority of the sources have been declining especially in rivers which gradually dried upstream apart from River Ewaso Nyiro which has insignificantly recharged following some rains at the Aberdare’s catchments.
- The yield in traditional river wells, sand dams and shallow wells diminished considerably.
- Areas facing acute water shortage in the county are Modogashe, Badana and Iresaboru in Sericho ward and Malkagalla, Dadachabasa, Korbasa and Lakole in Cherab ward.
- The proportion of boreholes on normal usage decreased to 34 percent in the month under review after breakdown of some of them. However, the proportion of boreholes reporting no use was 34 percent while the fraction of offline ones was 23 percent. (*source: Kenya RAPID*).
- The rate of boreholes breakdown is expected to increase as majority of strategic ones are running for more hours than usual.
- Water supply for Isiolo town residents was normal with manageable rationing interruptions.

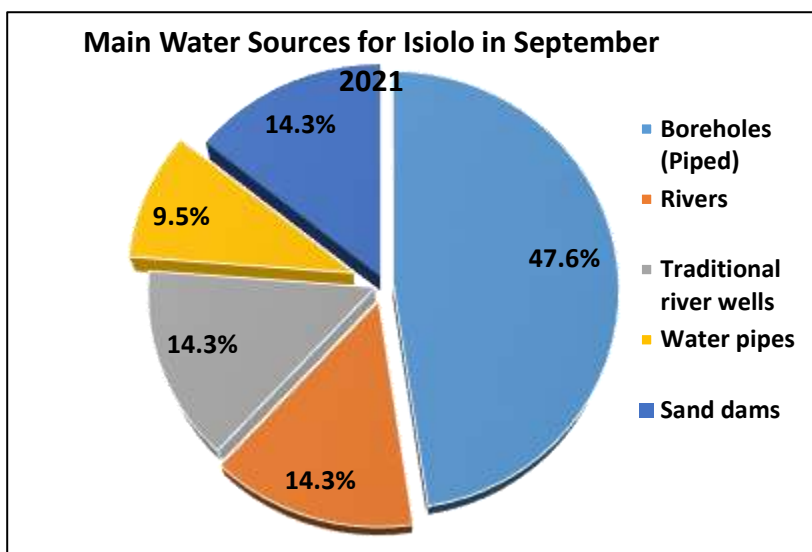


Figure 4: Main water sources

2.1.5 Household access and Utilization

- The average household water access distance to main sources increased to an average of 4.1km during the period under review from 3.8km in the previous month. The distance remained relatively high as a result of the poor recharge of water sources, and subsequent drying up of both ground and underground sources.
- A large proportion of household’s accessed water from boreholes and traditional river wells dug along sandy river beds and sand dams while those in Isiolo town accessed from pipe connections.
- Water volumes in shallow wells, water pans and sand dams declined due to continued withdrawal amid poor recharge during the long rains season.
- The average cost of water from community distribution points (*kiosks*) ranged from Ksh.2.00 to Ksh.5.00 per 20 litre jerrican which is normal at this time of the year.
- The cost of water in Modogashe is exceptionally high due to the prevailing water shortage in the area resulting into high costs of water where a 20 litre jerrican costed households more than Ksh 20.00, a factor that triggered water trucking intervention into the area.
- Waiting time at main sources in the pastoral livelihood zone ranged between 15 and 30 minutes.
- The longest one-way distance was in Cherab ward where household walked an average of 4.2km (one way) to River Ewaso Nyiro traditional river wells.

- The shortest average distance of about 0.1km was recorded in the casual-waged labour livelihood zone where households' access water from household/community access taps.

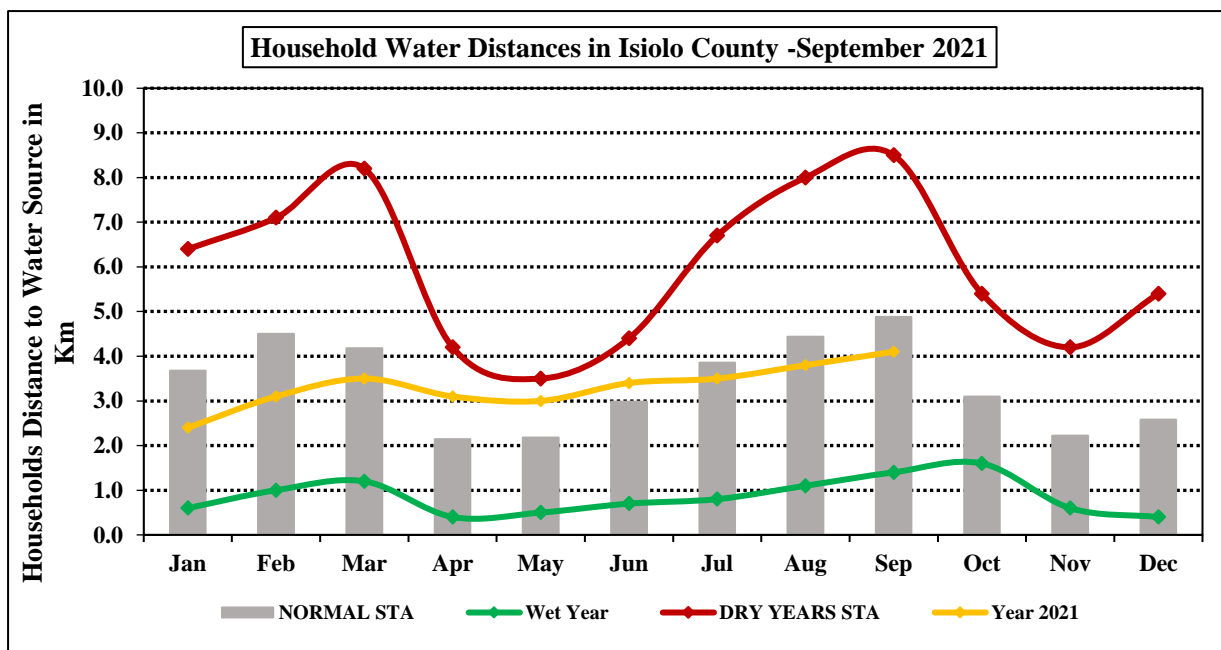


Figure 4: Household distance to water sources

2.1.6 Livestock Access

- The average return distance to water sources from the grazing areas increased considerably to 18.3km in the month under review from 17.1km recorded in the previous month.
- The increment was attributed to depletion of forage resources prompting herders to move deeper into the grazing areas away from the boreholes, springs, traditional river wells and shallow wells.
- The distance to water sources was alarming especially in Charri, Cherab, Sericho and Garbatulla wards as forage depleted further. Herders have joined hands to collectively hire water boozers for watering small stock and cattle deep in the grazing areas. Watering intervals for small stock ranged from 2 to 3 days in these zones.
- The month's livestock watering distance was 35 percent higher than the long-term average of 13.6km at a similar period of the year.
- The distance is expected to increase considerably due to the continuing depletion of available forage thereby forcing herders to move farther away from the watering points.

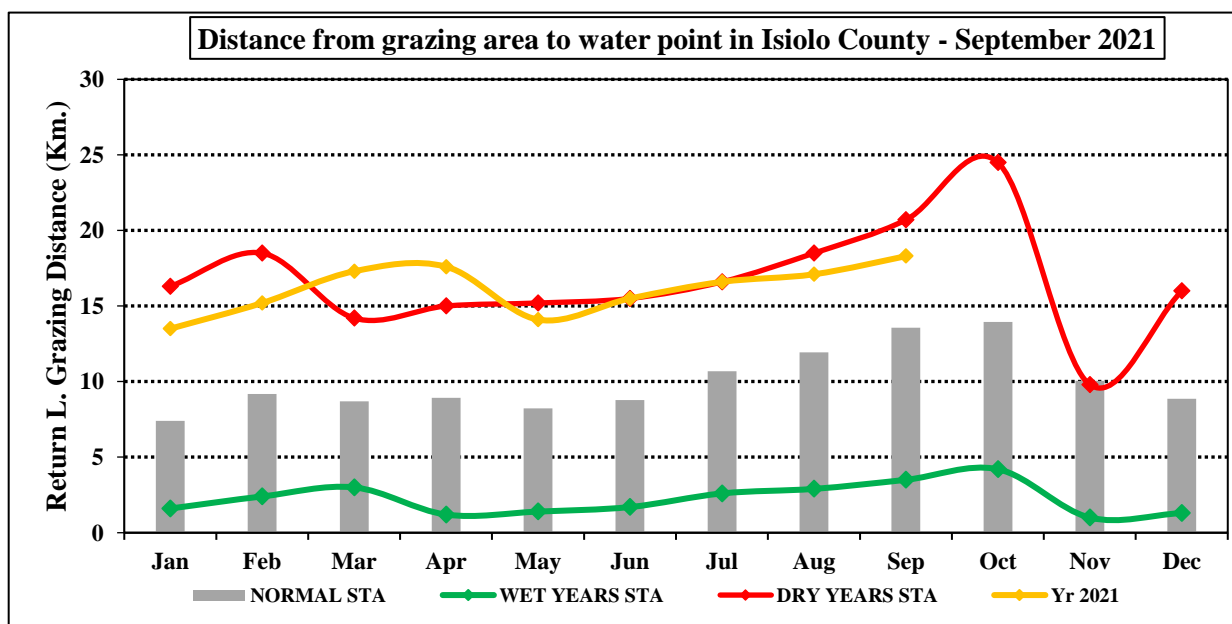


Figure 5: A graph of distance to grazing areas from water points

3.0 PRODUCTION INDICATORS

3.1 LIVESTOCK PRODUCTION

3.1.1 Livestock Body Condition

- The general body condition for all livestock species was fair to poor especially in some areas of the pastoral livelihood zone.
- A considerable proportion of cattle, goats and sheep in areas with poor availability of forage has displayed gradual signs of general weakness, with quite a good number showing the fore ribs.
- The worst hit areas are Oldonyiro where a number of animals have died due to starvation during the period under review where the situation deteriorated so fast after herders were ejected from the Laikipia ranches.
- Livestock herds in Cherab, Garbatulla, Kinna and Sericho wards are also at the brink of starvation due to poor availability of feed and long distance to watering points.
- The current livestock body condition was poorer compared to a similar period in the long-term as the situation worsened rapidly in the last one and half months due to shortage of forage.

3.1.2 Milk Production

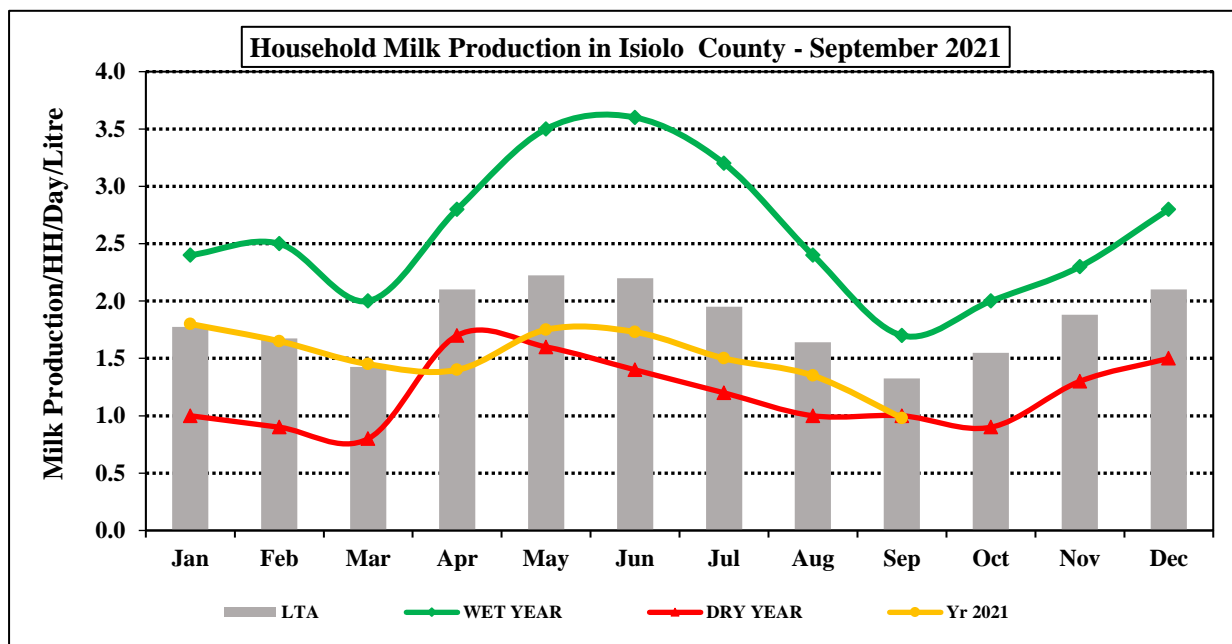


Figure 6: A graph of average milk production in litres

- Milk produced in milking households decreased significantly to 0.98 litres in the month under review from 1.35 litres in the previous month. Over 90 percent of the milk was obtained from camels as cattle and goats produced no milk at all.
- The decrease in production could be attributed to poor pasture availability and increasing water distances from grazing areas.
- Households depended on cattle and camel milk as their production was slightly more than one litre for the few milking households.
- Camels were the major producers of milk with a stable production and were mainly grazing in Kinna, Garbatulla and Charri wards.
- The amount produced is expected to exhibit a further decline as the dry spell conditions continue to prevail.

3.2 RAIN-FED CROP PRODUCTION

3.2.1 Stage and Condition of Food Crops

- Farmers began preparing of their farms in preparation for the planting season in October when the onset of the short rains is expected
- Small-scale irrigation actively continued along permanent rivers, River Isiolo, River Ewaso Nyiro and River Bisan adhi. Majority of farms along the rivers have horticultural crops such as onions, kales and tomatoes amidst heightened water rationing.

4.0 MARKET PERFORMANCE

4.1 Livestock Marketing

Cattle Prices

- Cattle price reduced slightly to an average of Ksh.22,900 during the month under review from Ksh. 25,100 during the previous month.
- Cattle's reducing price was partly attributed to the prevailing weak marketing environment all over the country and deteriorating body condition.
- The highest average price was recorded in Isiolo town market at Ksh.28,800 while the least was Ksh.17,300 in Oldonyiro market.
- The period's price was however 8 percent above the long-term average of Ksh.21,100 at the same period of the year.

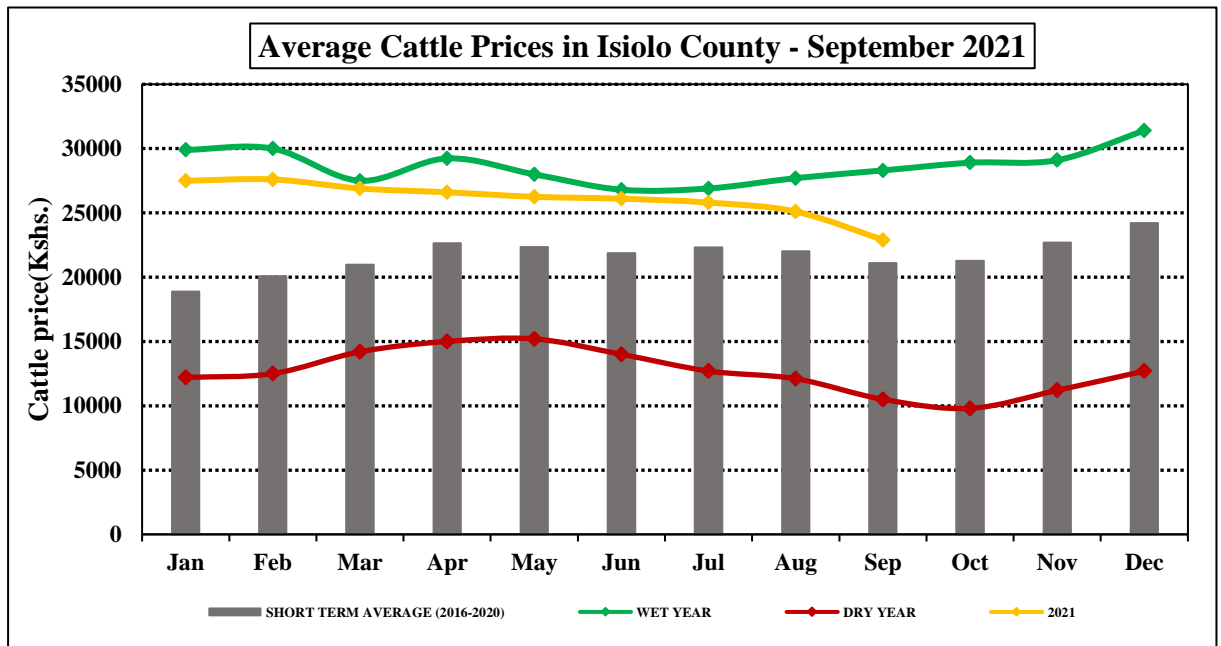


Figure 7: A graph of average market price of cattle

Small Ruminants Prices (Goat)

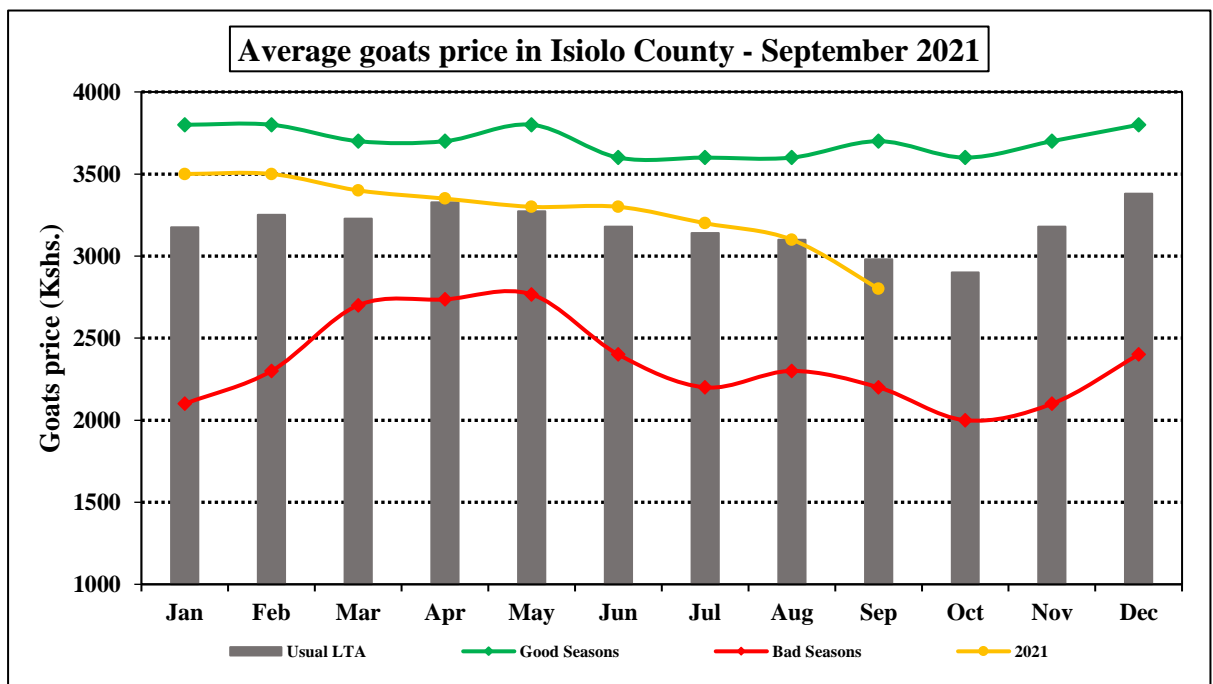


Figure 8: Average price of goats

- Goat price reduced to Ksh.2,800 in the month under review from an average of Ksh.3,100 in the previous month.
- The reduction in the goat market price recorded could be attributed to the deteriorating body condition facilitated by prevailing weak marketing environment. The body condition of the small stock was fair and thus attracting the moderate price offers from traders in various county markets.
- The least and highest market prices recorded were Ksh.2,300 and Ksh.3,600 in Oldonyiro and Isiolo town markets respectively.
- Average goat price for the period was 6 percent below the short-term average of Ksh 2,980. at a similar period of the year.

4.2 CROP PRICES

Maize

- The market price of a kilogram of maize rose slightly to Ksh.56.40 in the month under review from Ksh.54.80 in the previous month.
- The cereal's high price was attributed to the reducing stocks of the cereals in the markets from within and out of the county.
- Cereals lowest price was Ksh.50 in Isiolo town market and highest in Merti at Ksh.60.00.
- The cereal's price in rural markets including Merti, Bisan Biliqo and Sericho was relatively high as supplies were low attributed to the long distances from Isiolo main market. It's demand is often low given that the cereal's preference is outweighed by rice.
- Average price of maize was 6 percent higher to the long-term average of Ksh.53.00 at a similar period of the year.

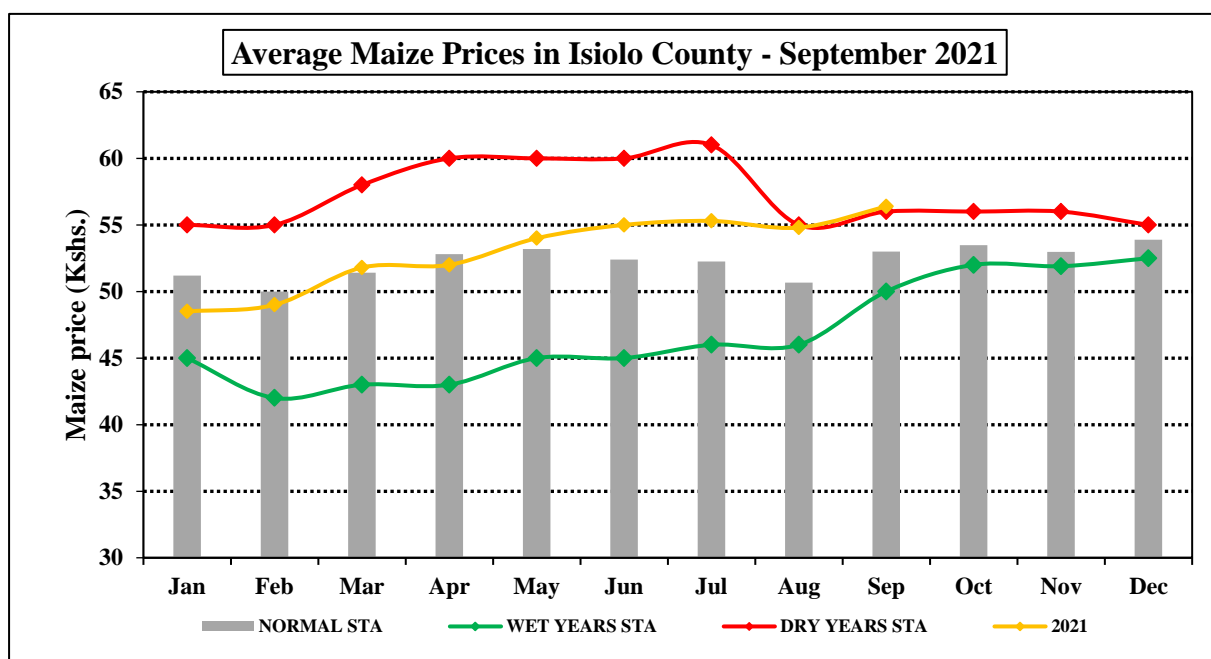


Figure 9: A graph of average maize (cereal) market price in the county

Beans

- The average price of beans rose to Ksh.124.2 in the month under review from Ksh.122 during the previous month. The price has significantly risen in the last three consecutive months mainly due to diminishing stocks of the pulses held by farmers and traders.
- The pulse's price is expected to increase further in the next two months as supplies diminish following depressed production during the long rains season.
- The highest price was recorded in Merti market in the pastoral livelihood zone at an average of Ksh.140 while the lowest price was in Isiolo at Ksh.110 in Isiolo town market.
- The pulse price was also equal to the highest average ever recorded in a period of five years.
- The price was 16 percent higher than the long-term average price of Ksh.107 during a similar period of the year.

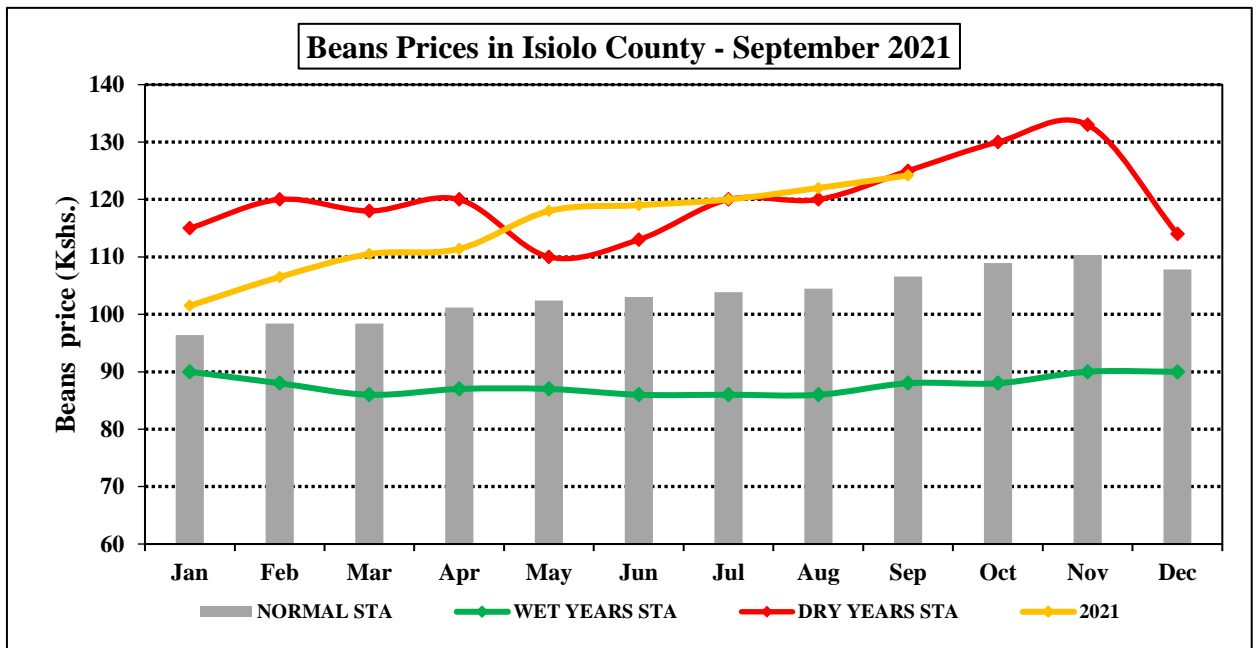


Figure 10: A graph showing average market price for pulses (beans)

4.3 Livestock Price Ratio/Terms of Trade

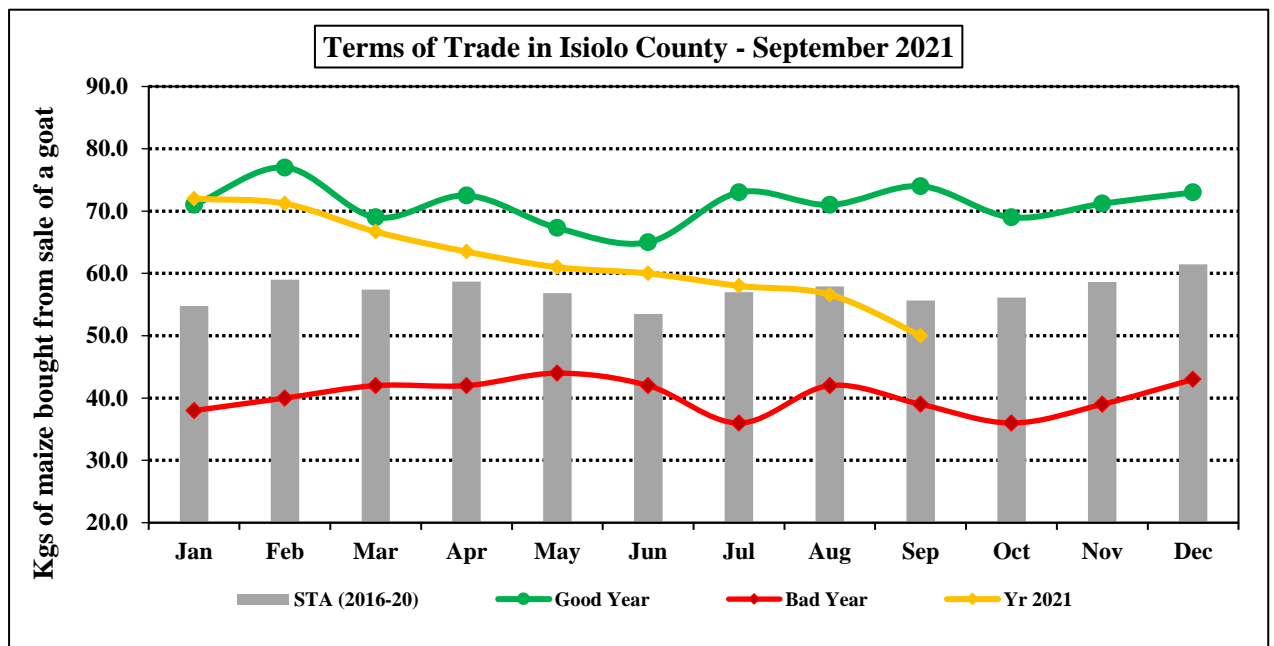


Figure 11: A graph showing the typical pastoralist households Terms of Trade in the county

- Terms of Trade (the number of kilograms of maize a farmer would purchase after a sale of one goat) reduced significantly to 50 kg/goat in the period under review from 56.0 kg/goat in the previous month.
- The ratio was 10 percent lower than the long-term average of 55kg/goat at a similar period of time in a year.
- The reduction in the Terms of Trade ratio reflected a significant deterioration of the household's purchasing power attributed to the poor performance of livestock markets.
- The measure of purchasing power in the county is expected to reduce substantially in the next one month and then rise should the rains be received in mid-October as predicted.

5.0 FOOD CONSUMPTION AND NUTRITION STATUS

5.1 Milk Consumption

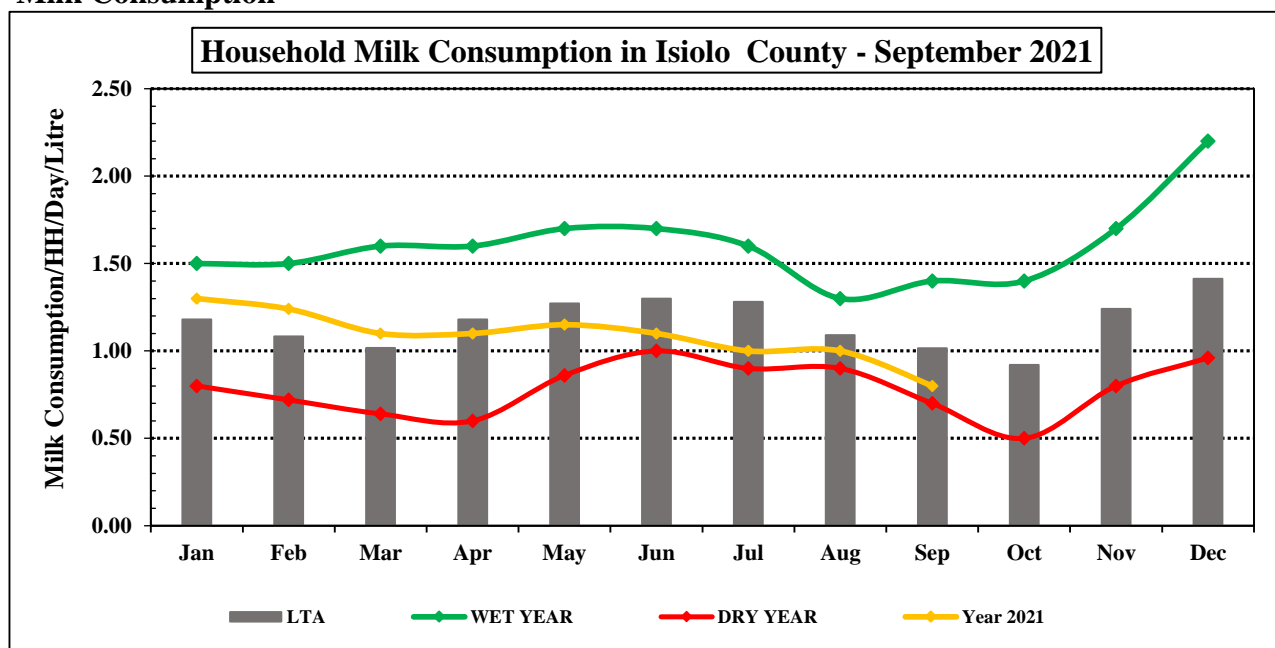


Figure 12: Average milk consumption in litres

- Average milk consumption per household reduced slightly to 0.8 litres in the month under review from 1.0 litres in the previous month.
- The little amount of fresh milk consumed was attributed to the poor production in all livestock species and is expected to reduce significantly along the remaining months of drought.
- Average consumption was eight percent below the long-term average of 1.02 litres during a similar period of the year and is expected to be below 1 litre in the following month.
- Milk consumption remained comparatively higher in the pastoral livelihood zone compared to the agro-pastoral and casual-waged labor/employment livelihood zones.

5.2 FOOD CONSUMPTION SCORE

- Patterns of household food consumption deteriorated marginally as shown in Figure 12 where an estimated 6.1 percent and 25.9 percent of households had poor and borderline food consumption respectively.

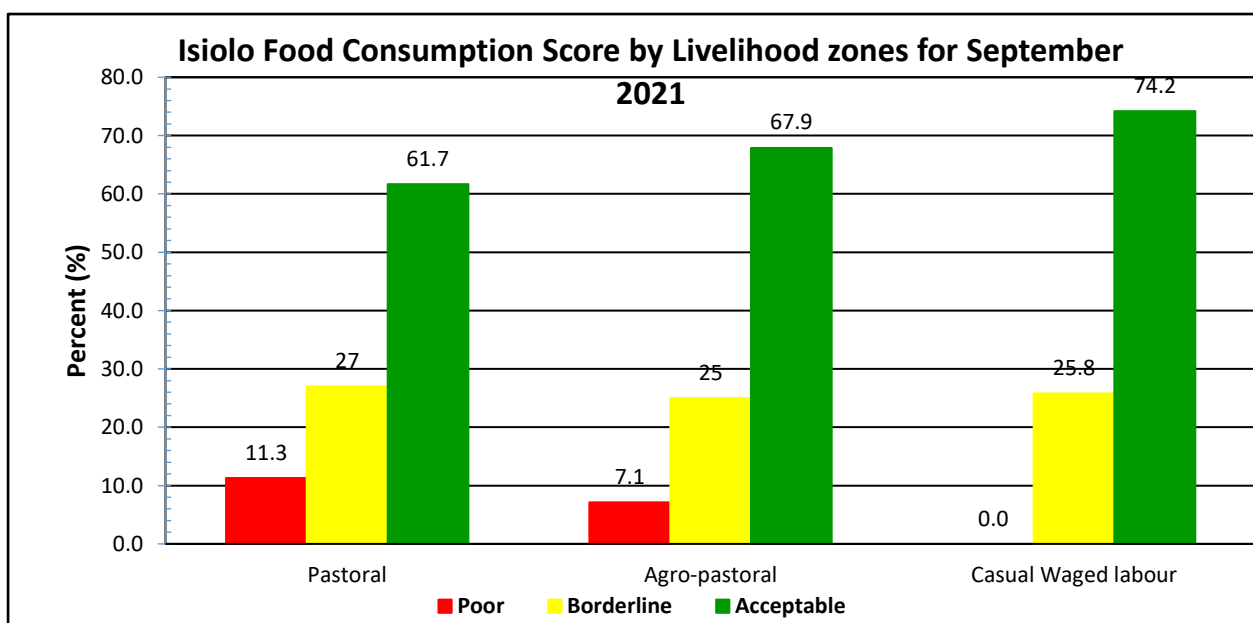


Figure 13: Households' food consumption score

- Households with borderline food consumption decreased slightly compared to the previous month mainly attributed to the diminishing purchasing power among pastoral households.
- The overall dietary diversity in the pastoral livelihood zone was poor, a situation that is partly attributed to limited availability of foods from across the required food groups and prevalence of certain food types. Poor availability of water for irrigation, low farming skills and opportunities and transport challenges also hinder consistent accessibility.
- Food consumption situation is expected to deteriorate considerably in the next three months as food availability and access may be a challenge due to poor production and deteriorating marketing environment.

5.3 HEALTH AND NUTRITION STATUS

5.3.1 Nutrition Status

- During the period under review, 3.5 percent and 10.1 percent of children were severely malnourished and moderately malnourished respectively.
- There was a slight increase in the proportion of children who were severely malnourished. This implies that the proportion of malnourished children increased considerably an indication of an increasing rate of malnutrition among children.

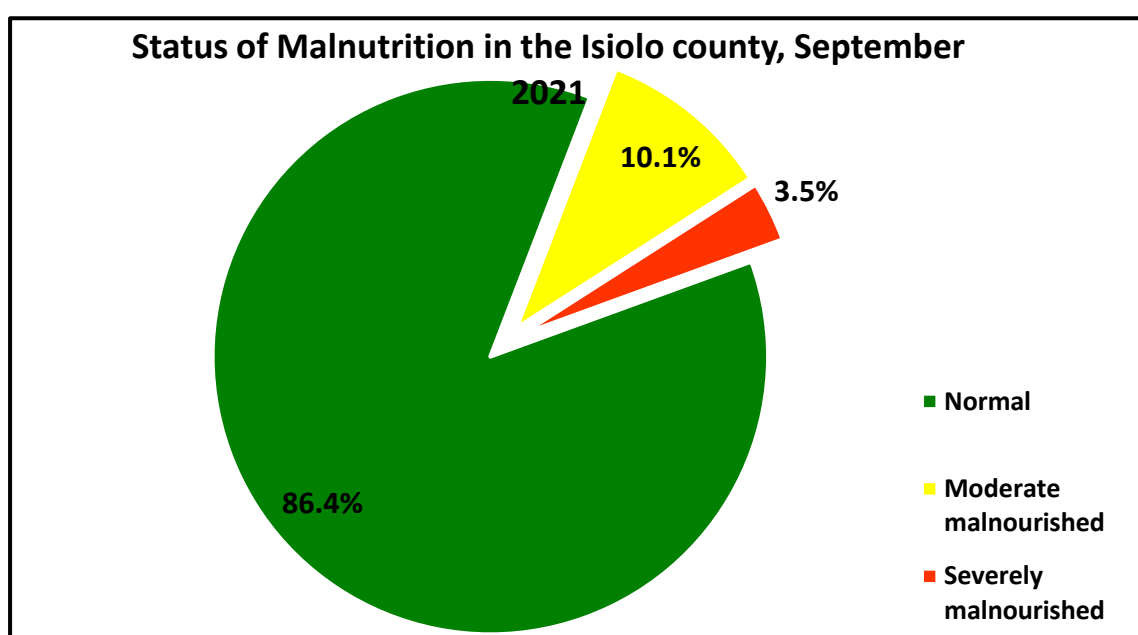


Figure 14: Proportion of under five-year children who are moderately and severely malnourished

- The proportion of children who were moderately malnourished increased to 10.1 percent during the month under review. The proportion that were severely malnourished increased slightly to 3.5 percent.
- The slight increment in the proportion of children who are malnourished could be attributed to deteriorating food access amidst poor livestock production, deteriorating livestock markets and poor feeding behavior.
- The prevailing rate of children at risk of malnutrition could also be attributed to poor young child nutrition among pastoral households as well as prevalence of endemic diseases such as upper respiratory tract infections and malaria among the under-fives.

5.3.2 Health

- Health seeking behavior improved compared to a similar time in the previous year when fear and stigma of Covid-19 crumbled people's initiative of seeking treatment in medical facilities.
- The general populations' most prevalent diseases included acute upper respiratory tract infections (URTI), malaria, skin disease and urinary tract infections.
- Children under five years' most prevalent diseases included the diarrheal, acute respiratory tract infections, pneumonia, intestinal worms and skin disease

5.4 COPING STRATEGIES

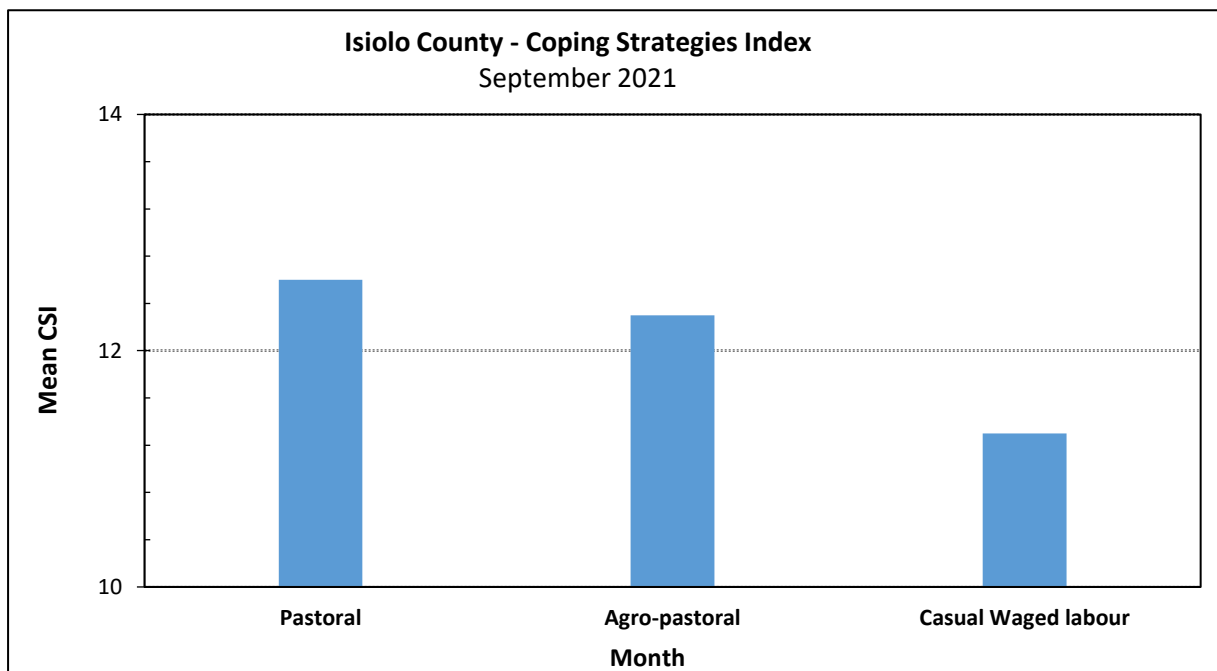


Figure 15: Household Reduced Coping Strategies Index

- Coping Strategy Index (CSI) increased significantly to 12.38 during the month under review from 12.0 in the previous month.
- The increasing value to the index depicts a greater employment of coping strategies that was attributed to a poor food access in all livelihood zones.
- Food access challenges in the pastoral livelihood zone were attributed to deteriorating livestock body condition and milk production.
- Prolonged migrations by herding families in search of forage as well as shrinking access to livestock markets were also to blame for a rise in employment of the coping strategies.
- Households with unstable income streams either from keeping of livestock, petty trading or casual labour bore the brunt of the prevailing economic hardships attributed to the impacts of Covid-19 pandemic.
- Most commonly employed coping strategies over the period were skipping of meals, reliance on less preferred and/or less expensive foods as well as taking credit from neighbours and shops.
- Other commonly employed coping strategies are reduction of the number of meals, reduction in portion or size of meals and borrowing as others spent their savings to meet household food needs.

6.0 CURRENT INTERVENTION MEASURES (ACTIONS)

6.1 NON-FOOD INTERVENTIONS

Table 1: A table showing the current non-food interventions in the county

Type of intervention	Ward	Sub-county	Action	Amount/ Targets
Cash transfer to vulnerable HHs	Burat, Oldonyiro and Kinna, Ngaremara	Isiolo North Isiolo South	WFP	6,600 HHs
	Garbatulla, Sericho, Cherab and Burat	Isiolo North and Isiolo South	WFP	1,800HHs
	All wards	Isiolo North and Isiolo South	Action Against Hunger (ACF)	1000HHs
	Ngaremara ward Cherab ward	Isiolo North	CRS-NAWIRI	Ngaremara-400HHs Cherab-200HHs
	Cherab, Oldonyiro, Sericho and Charri	Isiolo North and South	FAO in partnership with MID-P	1,000 HHs
Provision of Relief food	Cherab	Isiolo North	Kenya Red Cross Society	1,000 HHs
Livestock disease surveillance	All wards	All sub county	RPLRP and VSF Suisse	All wards
Water trucking	Modogashe	Garbatulla	NDMA, County Govt. Department of water	2500 HHs
	Malkagalla, Korbesa, Lakole,	Merti		1500 HHs
	Oldonyiro	Isiolo North	NDMA, World Vision County Government	1,500 HHs
	Charri	Isiolo North		
Rehabilitation of boreholes in Ngaremara and Burat	3 in Burat and 2 in Ngaremara	Isiolo North	Action Aid	3,000 HHs
Installation of solar kits in 112 shallow wells	Burat and Ngaremara			3500 HHs
Provision of animal drought pellets and hay.	Garbatulla, Boji, Bulesa and Godha & Oldonyiro	Garbatulla, Merti and	CRS-NAWIRI	1000 HHs
Provision of fuel subsidy to strategic boreholes	Cherab, Burat	Isiolo North	CRS- NAWIRI	8000 litres
			NDMA	4000 litres

7. EMERGING ISSUES

7.1 Insecurity/Conflict/Human Displacement

- There were cases of resource-based conflicts reported in the county that left scores of people others injured and destruction of water infrastructure. Conflict hotspots included Alango and Urura in Cherab ward, Loruko, Lowa Loongishu in Burat Ward and Boji Dera, Gotu in Ngaremara ward, and Kom in Charri ward. Shooting of livestock was reported in Oldonyiro at Laikipia border.
- There was mild fear of attacks characterized by revenge on previous resource-based conflicts early in the year among residents of Wajir- Isiolo North, Garissa-Isiolo South borderlines.

7.2 Migration

- Movements of herders in search of forage were internal as herders sought forage in the dry season grazing areas due to depletion of forage in majority other reserved grazing areas.
- A large section of herders from Cherab and Sericho are grazing their livestock in Hawaye grazing reserve while others moved out to Urura and surrounding dry season grazing areas.

7.2 Assumptions and Food Security Prognosis

Assumptions

- There short rains season onset and performance will be as predicted in mid-October thus a continued deterioration of forage until onset of rains.
- Livestock migration result to increase in incidences of livestock disease outbreaks and resource-based conflicts where livestock congregate in large numbers.
- Acute malnutrition is expected to remain Critical due to reduced milk access during the anticipated longer dry period.

Prognosis

- State of food security is poor and deteriorating as the dry season progresses following the below normal performance of the long rains season. The situation has exacerbated the already poor level of production and availability of food in all livelihoods.
- Livestock production though seemingly resilient is under threat from the extensive poor access to quality animal feed and water. Livestock body conditions range from fair to poor, a situation that has been deteriorating due to poor access to forage.
- Purely rainfed crop production had poor yields with insignificant contribution to household stocks. The below normal rainfall ended with insignificant recharge to rivers and other water sources, a situation that has and continued to derail the productivity of small-scale irrigation carried out along rivers until onset of the short rains season.
- There is normal access to livestock and food commodities markets where majority of households obtained their food supplies. Depressed crop production is likely to result in unavoidable price increase of major farm produce and thus affect their accessibility
- Food consumption is good in all livelihoods zones as majority of households had acceptable food consumption. However, this is expected to deteriorate with the poor production realized in crops and the worsening situation in livestock production.
- Food utilization was fair supported by the relatively fair access to water but mostly in permanent settlements. Herding households' trekked long distances to obtain water for drinking and cooking with its availability expected to decline further.
- There was increased competition over rangeland resources within the county as pressure from neighboring counties mounts due to competition over the available forage. The scenario is likely exacerbate resource-based conflicts hence make forage access and utilization challenging, a factor that will negatively affect the pastoral livelihood.
- The overall food security situation remains in the stressed phase (IPC 2) and on a worsening trend.

8. RECOMMENDATIONS

- Expand the ongoing livestock supplementary feeding project by various partners to avert further death of animals in forage scarce areas of Oldonyiro and environs.
- Upscale supplementary feeding programme at health facilities to reach the growing number of malnourished children.
- Activation of county drought response and contingency plan mainly in enabling marketing of livestock to control population and minimization of risk of losing the pastoral livelihood.
- Provision of collapsible water tanks to herders grazing in forage rich dry season grazing areas to aid in storage provision for water trucked to animals grazing far distances from water sources.
- Support the department of water rapid response units to be able to attend the boreholes in high livestock concentration points and the strategic boreholes.
- Promote and support voluntary livestock commercial destocking initiatives mainly targeting cattle, sheep and goats while they are in fair body condition to enable them minimize the risk of losing the animals as well as ease pressure on available forage resources.
- Support peace building and conflict resolution to enable the warring communities reach amicable resource sharing agreements and avert further conflicts as witnessed in various parts of the county. There should be full involvement of grazing committees and security management structures in the county.
- Upscale cash transfer programs to caution vulnerable households against impacts of the livelihood losses that emanated from imposition of Covid-19 restrictions and the ongoing drought.
- Upscale water trucking interventions in water scarce hot spots such as Modogashe, Sericho Iresaboru in Sericho ward, Malkagalla, Saleti, Malkagalla and other settlements in Cherab ward as well as some parts of Oldonyiro ward.
- Promotion of hygiene and sanitation as well as sensitize communities on adherence to safety precautionary measures to stem spread of coronavirus disease (COVID-19) which is now in its fourth wave in the county.
- Promote agri-nutrition sensitive interventions to boost nutrition security especially among the pastoral and agro-pastoral households.