



FAMINE IN SOUTHERN SOMALIA

Evidence for an updated declaration

Nairobi, Kenya September 2, 2011

























Defining famine - The IPC Phases

PHASE		SUMMARY DESCRIPTION			
	GENERALLY FOOD SECURE	More than 80% of households can meet basic food needs without atypical coping strategies.			
	Borderline Food Insecure	For at least 20 percent of households, food consumption is reduced but minimally adequate without having to engage in irreversible coping strategies. These households cannot fully meet livelihoods protection needs.			
	ACUTE FOOD AND LIVELIHOOD CRISIS	At least 20 percent of households have significant food consumption gaps OR are marginally able to meet minimum food needs only with irreversible coping strategies such as liquidating livelihood assets. Levels of acute malnutrition are high and above normal.			
	HUMANITARIAN EMERGENCY	At least 20 percent of households face extreme food consumption gaps, resulting in very high levels of acute malnutrition and excess mortality; OR HH households face an extreme loss of livelihood assets that will likely lead to food consumption gaps.			
	FAMINE	At least 20 percent of households face extreme food deficits and starvation, death, and destitution are evident; and acute malnutrition prevalence exceeds 30%; and mortality rates exceed 2/10000/day			





Defining famine

Using the IPC, evidence of three specific outcomes is required for a famine declaration:

- (1) at least 20% face extreme food deficits and have very limited ability to cope;
- (2) Global acute malnutrition prevalence must exceed 30%; and
- (3) Crude death rates must exceed 2/10,000/day.

In a famine, destitution, disease outbreaks, large-scale displacement, and social collapse are evident.





Data collection and validation process

- 16 nutrition/mortality surveys were conducted during August results have been received for 8 surveys, 8 surveys are ongoing or finalizing data entry. All surveys used SMART methodology for anthropometry and are statistically representative.
- Of the 8 sets of survey results received, 6 have been verified and endorsed by CDC as of this morning.
- The level of the current crisis suggested by survey data has been triangulated with extensive information from the recent post-Gu assessment and with information from partners on the ground.
- Consensus among key UN partners was reached regarding survey findings and famine classification.





CURRENT CONDITIONS AND OUTCOMES





Evidence of substantial constraints to food availability

	Gu 2011 Production in MT			Gu 2011 Production Historical Comparison		
Regions	Maize	Sorghu m	Total Cereal	% of Gu 2010	% of 5 year average (2006-2010)	% of <i>Gu</i> PWA (1995-2010)
Bakool	100	300	400	9%	29%	17%
Bay	400	7, 100	7, 500	10%	20%	19%
Gedo	700	0	700	11%	26%	13%
Hiraan	300	300	600	90%	45%	18%
Juba Dhexe (Middle)	600	0	600	5%	7%	6%
Juba Hoose (Lower)	300	0	300	6%	11%	6%
Shabelle Dhexe (Middle)	2, 500	900	3, 400	16%	28%	22%
Shabelle Hoose (Lower)	18, 300	4, 800	23, 100	35%	47%	37%
Total	23, 200	13, 400	36, 600	19%	32%	26%

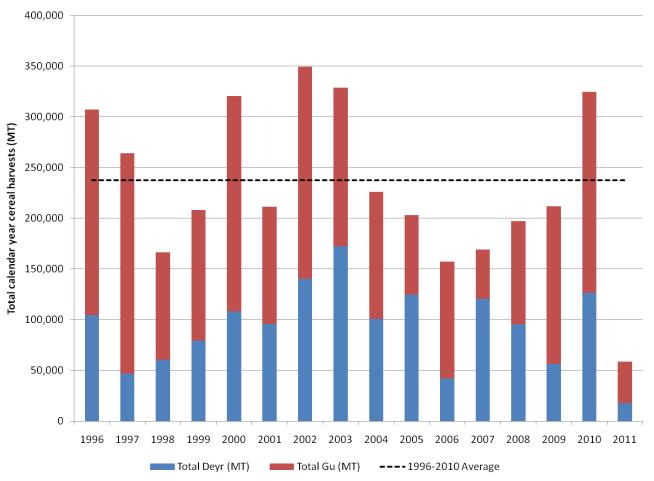
Source: FSNAU





Evidence of substantial constraints to food availability

Calendar year cereal harvests in southern Somalia (1996-2011) compared to average



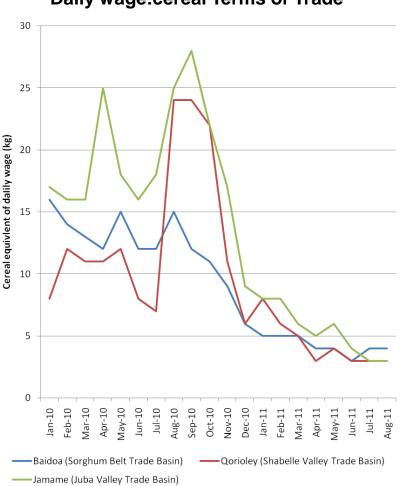
Source: FSNAU



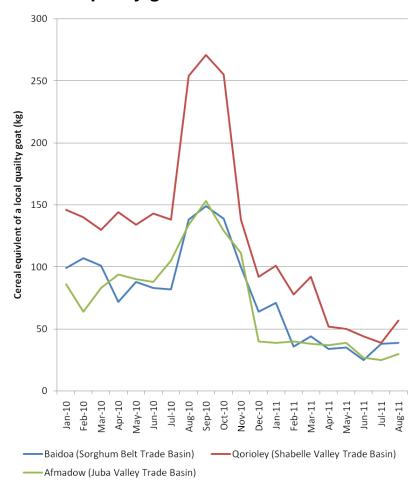


Evidence of substantial constraints to food access

Daily wage:cereal Terms of Trade



Local quality goat:cereal Terms of Trade



Source: FSNAU/FEWS NET





Evidence of substantial constraints to food access

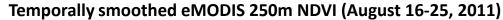
Location	Proportion of HH classified as "poor"	Sources of food for poor households	Relative importance of food source (% of minimum food basket in the baseline year)	Change in 2010/11 compared to baseline year	Likely impact on Aug/Sept 2011 food access	
	40%	Own crop production	25%	88% decline in crop production	Poor households only able to access 40-50 percent of	
Bakool		Purchases funded by wage labor	25%	57% decline in wage:sorghum ToT		
Agropastoral		Purchases funded by livestock sales	25%	76% decline in goat:sorghum ToT	food needed for survival	
		Other	25%	Net decline likely		
Bay	35%	Own crop production	60%	80% decline in crop production	Poor households only able to access 40-50 percent of food needed for survival	
Agropastoral High Potential		Purchases funded by wage labor	10%	82% decline in wage:sorghum ToT		
Trigit i Otoritiai		Other	30%	Net decline likely		
	38%	Own crop production	75%	64% decline in crop	Poor households only able to access 40-50 percent of	
Lower Shabelle		Purchases funded by crop sales	15%	production		
Riverine		Purchases funded by wage labor	10%	46% decline in wage:maize ToT	food needed for survival	

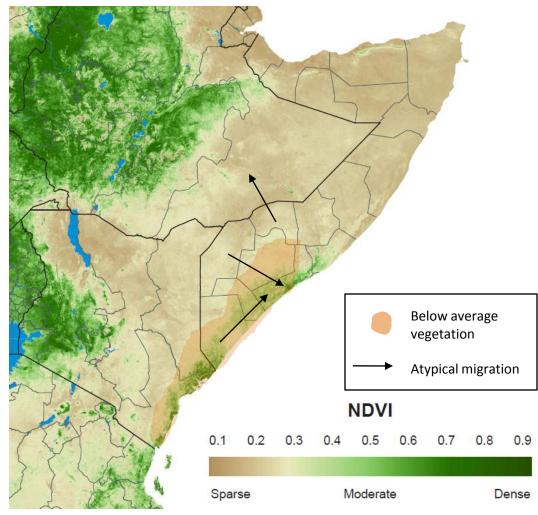




Evidence of substantial constraints to food access

- Large areas of southern Somalia are seasonably dry and in those areas where pasture does exist, its availability is far belowaverage.
- These poor pastoral conditions have resulted in atypical migration of men and camels towards Lower Shabelle (where pasture is more available due to average to above-average Hagaa rains) and Ethiopia.
- Thus, even in areas where household camel holdings are near baseline, food access remains very limited for household members who have stayed behind in areas of origin.









Evidence of GAM prevalence >30 percent

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Region	Survey date	Livelihood	GAM prevalence	SAM Prevalence
Lower Chahalla	July 2011	Riverine	28.7% (24.4-33.5 95% CI)	14.2% (11.6-17.3 95% CI)
Lower Shabelle		Agpast./Past	40.6% (34.6-46.8 95% CI)	20.9% (16.2-26.595% CI)
Middle Shabelle	July 2011	Riverine	19.6% (16.4-23.2 95% CI)	8.2% (5.7-11.6 95% CI)
Wildule Stiabelle		Agpast.	35.3% (24.9-47.3 95% CI)	17.1% (10.3-27.1 95% CI)
Bay	August 2011	Agpast.	58.3% (52.1 - 64.2 95% CI)	22.1 % (18.2 - 26.5 95% CI)
Dakool	August 2011	Agpast.	41.1% (35.1 – 47.4 95% CI)	13.1% (10.5 – 16.2 95% CI)
Bakool	July 2011	Pastoral	55.9% (50.6 - 61.2 95% CI)	20.4% (15.2-26.7 95% CI)
	August 2011	Riverine	39.6% (35.4 - 43.9 95% CI)	19.0% (15.7 - 22.7 95% CI)
Middle/Lower Juba		Agpast.	34.4% (29.8 - 39.2 95% CI)	14.2 % (11.5 - 17.4 95% CI)
		Pastoral	31.2% (26.1 - 36.7 95% CI)	12.8 % (9.9 - 16.4 95% CI)
	August 2011	Riverine*	39.4% (33.1 – 46.0 95% CI)	20.2% (16.4 – 24.7 95% CI)
Gedo		Agpast.*	27.2 % (22.8 - 32.2 95% CI)	12.9 % (10.1 - 16.3 95% CI)
		Pastoral	32.9 % (27.9 - 38.3 95% CI)	17.7 % (14.4 - 21.6 95% CI)
	July 2011	Riverine	20.7% (18.4-23.2 95% CI)	9.1% (7.2-11.5 95% CI)
Hiran		Agpast.	43.2% (37.7-48.9 95% CI)	12.8% (10.5-15.6 95% CI)
		Pastoral	27.3% (24.2-30.6 95% CI)	16.3% (13.4-19.6 95% CI)
Afgoye	July 2011	IDP	40.7% (34.5-47.2 95% CI)	17.7% (13.4-22.9 95% CI)
Mogadishu	July 2011	IDP	39.4% (32.4-46.9 95% CI)	15.3% (11.6-19.8 95% CI)





Evidence of famine-level mortality

Region	Survey date	Livelihood	CDR	U5DR
Lower Shabelle	July 2011	Riverine	6.12 (4.3 - 7.93)	20.3 (13.0 - 27.6)
Lower Snabelle		Agpast./Past	4.29 (3.1 - 5.46)	13.2 (8.7 - 17.7)
Middle Shabelle	July 2011	Riverine	1.72 (1.14 - 2.3)	5.29 (3.78 - 6.82)
Wildule Shabelle		Agpast.	2.3 (1.6 - 2.9)	7.0 (4.8 - 9.2)
Bay	August 2011	Agpast.	2.15 (1.5-2.8)	6.16 (3.91-8.40)
Bakool	August 2011	Agpast.	2.11 (1.4- 2.83)	5.18 (3.06-7.3)
Dakuui	July 2011	Pastoral	1.94 (1.44-2.43)	5.3 (4.02-6.59)
	August 2011	Riverine	1.76 (1.20-2.32)	4.22 (2.56-5.87)
Middle/Lower Juba		Agpast.	1.82 (1.23 - 2.41)	4.62 (2.87-6.37)
		Pastoral	1.25 (0.77 - 1.73)	2.61 (1.32 - 3.88)
	July 2011 (August data unusable)	Riverine	1.62 (1.00 - 2.25)	6.20 (4.21 - 8.19)
Gedo		Agpast.	1.68 (1.08 - 2.28)	5.42 (3.80-7.04)
		Pastoral	1.21 (0.64 - 1.78)	6.06 (4.39-7.74)
	July 2011	Riverine	1.41 (0.86 - 1.96)	4.2 (3.15 - 5.26)
Hiran		Agpast.	1.5 (0.9 - 2.1)	4.32 (3.1 - 5.5)
		Pastoral	1.76 (1.22 - 2.3)	4.41 (3.28 - 5.53)
Afgoye	July 2011	IDP	4.33 (3.39 - 5.26)	13.21 (9.6 - 16.82)
Mogadishu	July 2011	IDP	4.37 (3.42 - 5.32)	15.04 (10.8 - 19.2)





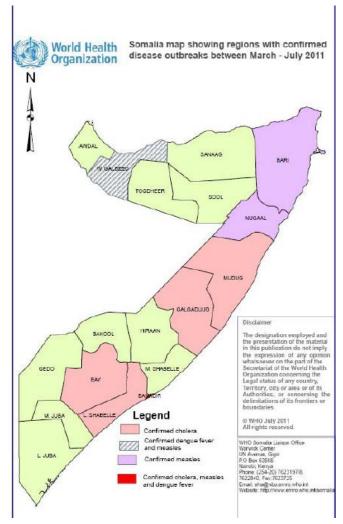
Additional evidence to support a famine declaration

Displacement

- From January 1.8 million have been displaced from Jan 2011 (UNHCR) - 89% due to drought
- Although the numbers of overall population displacement have reduced since June & July, 1,000 – 1,200 people per day are still arriving Kenya's Dadaab camps with 250 people per day arriving in Dollo Ado camp in Ethiopia and substantial new flows into Gode.

Health

- Increases in confirmed measles in Mogadishu and other regions of Somalia
- 53% increase in AWD cases in Kismayo in the last week to 635 cases, increases also reported in cholera cases in Mogadishu.



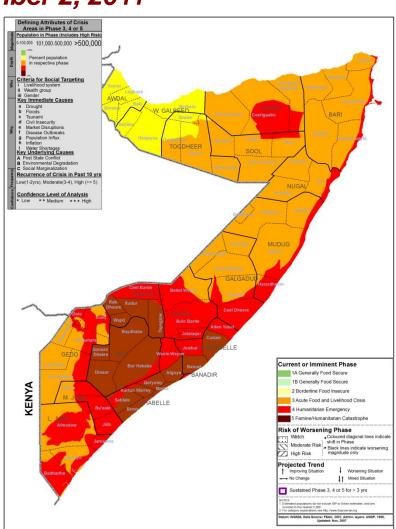




Current food security classification

Somalia as of September 2, 2011

- Number of people in crisis nationwide (AFLC, HE, and Famine): 4.0 million, compared to 3.7 million in July 2011 and 2.85 million in June 2011. 3.0 million are in the south.
- Number in need of lifesaving assistance nationwide: (HE and Famine): 3.3 million
- Number in need of lifesaving assistance in southern Somalia (HE and Famine): 2.6 million compared to 1.75 million in June 2011.
- Number of people in famine: 750,000.
- 25-75 percent of poor agropastoral households in Gedo and Juba and pastoral households in Bakool face famine level of food deficits.



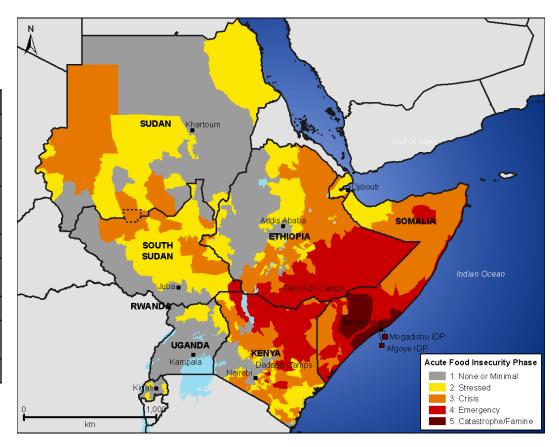




Current food security classification

East Africa as of September 2, 2011

Country	Food insecure population			
Somalia	4.0 million			
Ethiopia	4.95 million (including 450,000 refugees)			
Kenya	4.15 million (including 402,000 refugees)			
Sudan	4 million			
South Sudan	1.5 million			
Uganda	169,000			
Djibouti	140,000 (including 20,000 refugees)			
TOTAL 18.91 million				







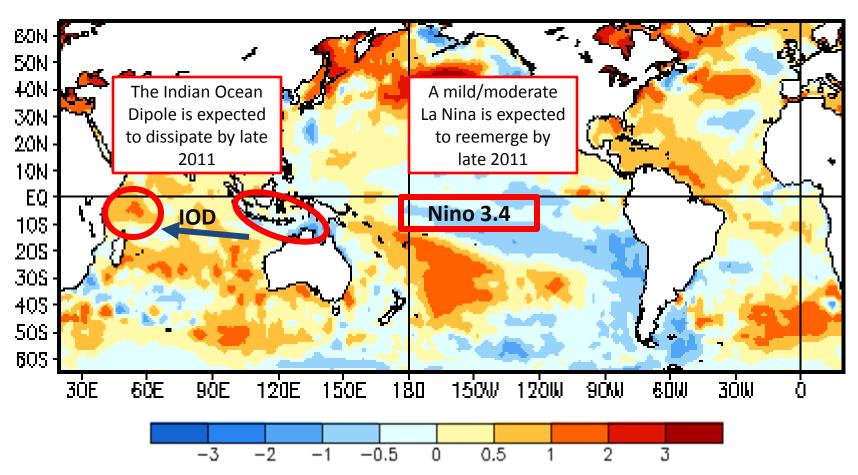
MOST-LIKELY PROJECTION





Drivers of rainfall in the eastern Horn

Average Sea-surface Temperature Anomalies (August 20-24, 2011)

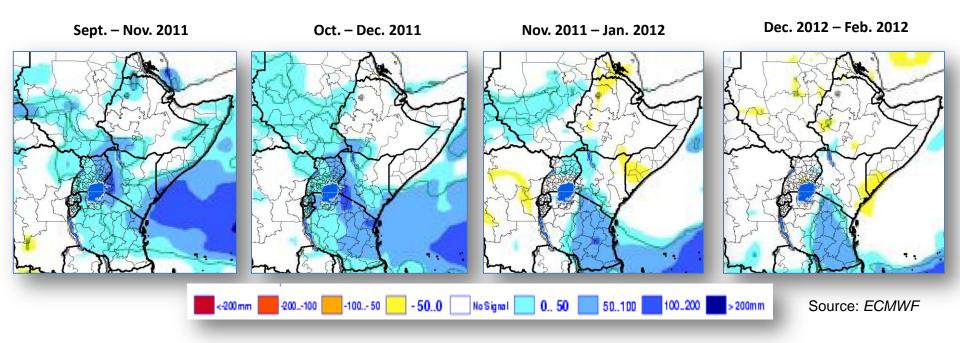


Source: NOAA and ECMWF





Oct-Dec seasonal rainfall forecast



- In the most-likely scenario the Oct-Dec rains are expected to start on time and overall season totals are expected to be average, though rains during the second half of the season are likely to be less favorable.
- The consensus regional seasonal rainfall outlook will be provided by 3rd. Sept, and national forecasts for Ethiopia and Kenya are expected the following week. Both will provide more details/an update on these preliminary indications.





Impact of changing Thai rice policy

Daily Rice Option Prices – November Delivery



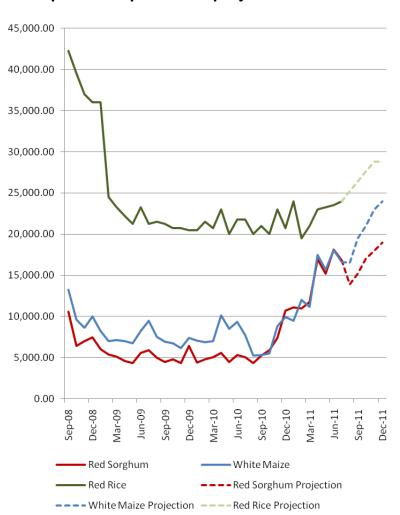
Source: Chicago Board of Trade



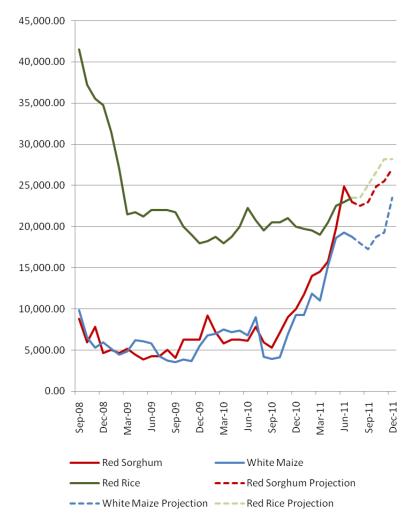


Likely price movement in southern Somalia (Sep-Dec 2011)

Staple cereal prices and projections - Baidoa



Staple cereal prices and projections - Qorioley







Crop and livestock assumptions

- September Hagaa cereal harvests in Middle Juba and Lower Shabelle will be below-average but will improve stocks compared to current levels
- Significant presence of able-bodied people in Bay region for planting.
- Oct-Dec labor supply and demand are expected to vary significantly by region, but high cereal prices will keep wage:cereal ToT far below average.
- Pastoralists in southern and central regions will return to typical wetseason grazing areas by late October.
- Milk availability will improve for shoats and camels, but remain average to below-average due to reduced conceptions over the past year. Cattle milk availability will remain very limited.





Additional assumptions for the Most-likely scenario

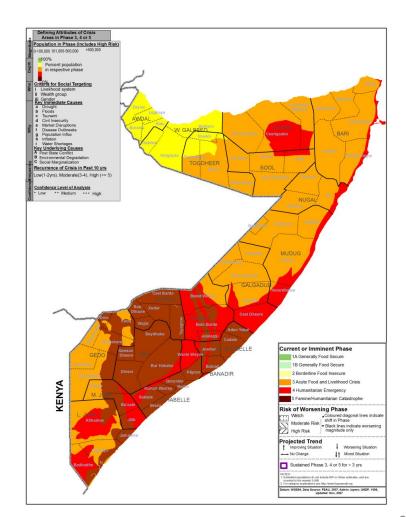
- Distress migration flows to Ethiopia, Kenya, Central regions, and Mogadishu – will stabilize or decline because of response and the start of the cropping season.
- Above-average malaria mortality risk with the onset of October rains.
 Continued measles outbreaks.
- Food access response is projected at current levels
 - Relatively better: Northern Gedo, Northern Bakool, Juba, Mogadishu, Hiran, localized areas of the Shabelles
 - Very limited: Bay, Southern Bakool, much of Lower Shabelle including Afgoye





Most likely food security outcomes (Oct – Dec 2011)

- Agropastoral areas of Gedo, Juba, Hiran and Middle Shabelle, riverine areas of Gedo and Juba, and pastoral Bakool are likely to deteriorate to famine.
- Some improvement expected in pastoral Gedo, Juba, and Bakool due to impacts of Deyr season and the return of camel herds.



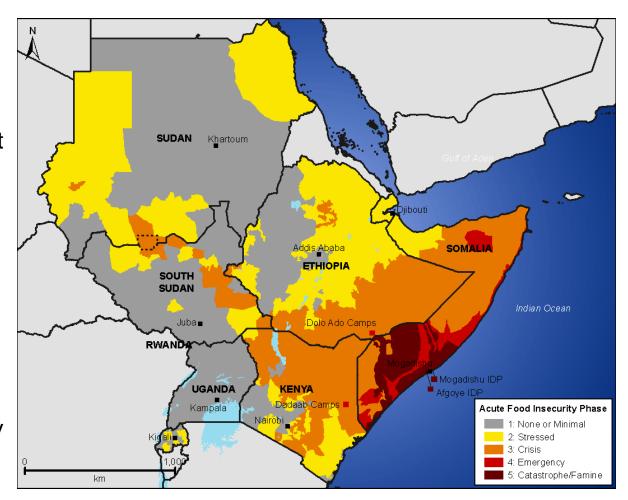




Most likely food security outcomes

East Africa Oct-Dec 2011

- Improvements are expected in southern Ethiopia and Kenya, largely due to the impact of the Ocotber to December rains and response.
- Outcomes are also expected to improve in the Dadaab and Dolo Ado Camps but these areas will likely remain in Phase 4 – Emergency







Events which would further exacerbate the famine

- Deyr season starts normally but overall totals are up to 50mm below average due to a poor second half of the season.
- Limited return of farmers to Bay region for planting
- International rice prices increase up to 50 percent by November.
- Uncontrolled malaria or measles outbreaks
- Humanitarian access deteriorates, including Mogadishu

Implications: Poor January crop harvests, further reductions in purchasing power, persistence of famine beyond the 2012 deyr harvest





Next Steps

- UN Resident Coordinator press conference September 5th on behalf of the Humanitarian Country Team
- Simultaneous joint press release by FSNAU/FEWS NET.
- Continued joint FEWS NET/FSNAU dekadal reporting.
- Updated nutrition/mortality data for Hiran, Middle Shabelle, Mogadishu and Afgoye IDPs, as well as a rapid assessment data for Kismayo, available by September 9th.
- Off-season harvests and dry season impact assessment in September/October 2011.
- Continued nutrition/mortality surveys across the south.
- Current and projected analysis will be updated in October





Key Messages

- 1. In addition to the five areas where famine has already been declared:
 - All of Bay region has now met the three famine criteria.
 - 25-75 percent of poor agropastoral households in Gedo and Juba and pastoral households in Bakool face famine level of food deficits.
- 2. Concerns persist regarding pastoral populations in northeast and northwest, agropastoralists in the Cowpea Belt of central, and coastal livelihoods of central where half of pastoralists have lost all livestock and are destitute.
- 3. Food security outcomes have improved for camel pastoralists in Gedo and Juba, and pastoralists in the Addun and Hawd zones of Central/Northern regions
- 4. In total 4.0 million people are in crisis nationwide (Phase 3, 4, 5), of which 3.0 million are in the south. 750,000 people are experiencing famine-level outcomes
- 5. Despite, a large-scale increase in humanitarian response, evidence suggests that food security in agropastoral and riverine areas of the south will deteriorate further over the coming four months. Famine is considered likely by Dec 2011 in agropastoral and riverine areas of Gedo and Juba, and agropastoral of Middle Shabelle and Hiran.