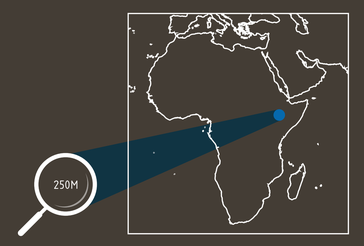
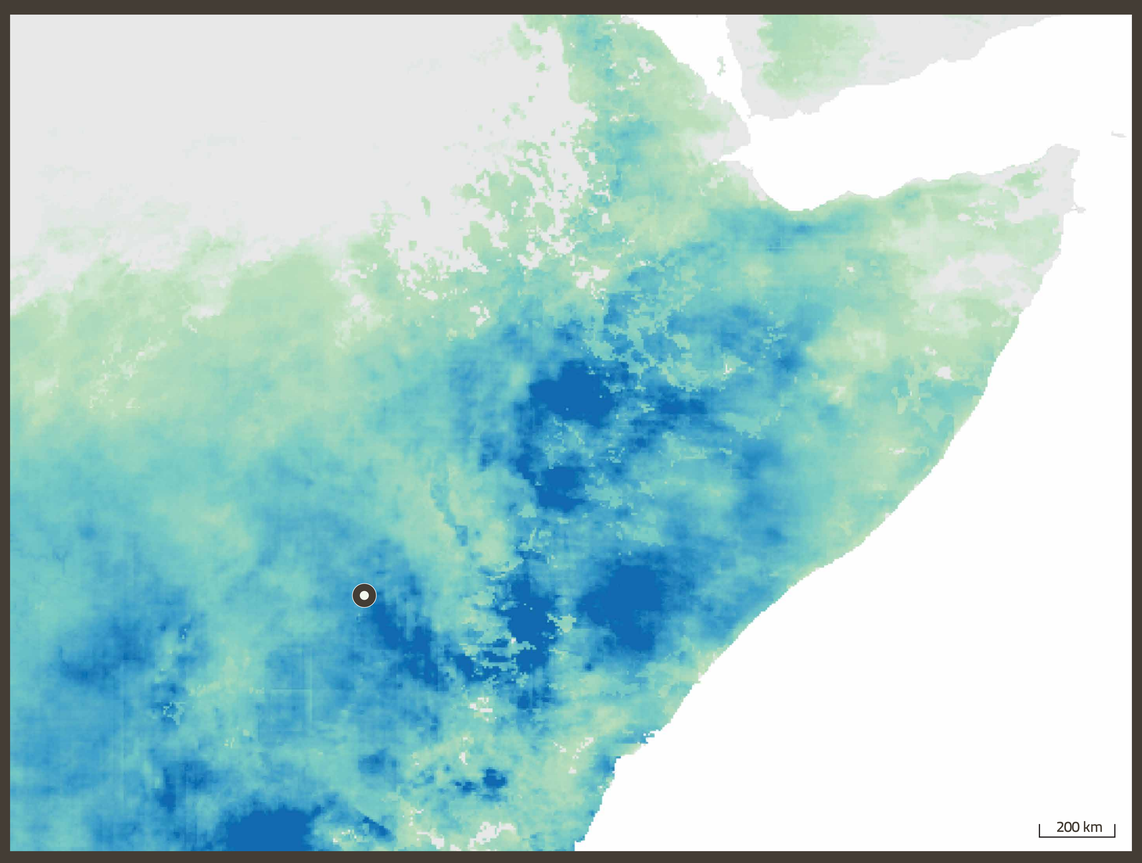
Food and Agriculture Organization of the United Nations

FAO WaPOR CONTINENTAL LEVEL MAPS (250M)

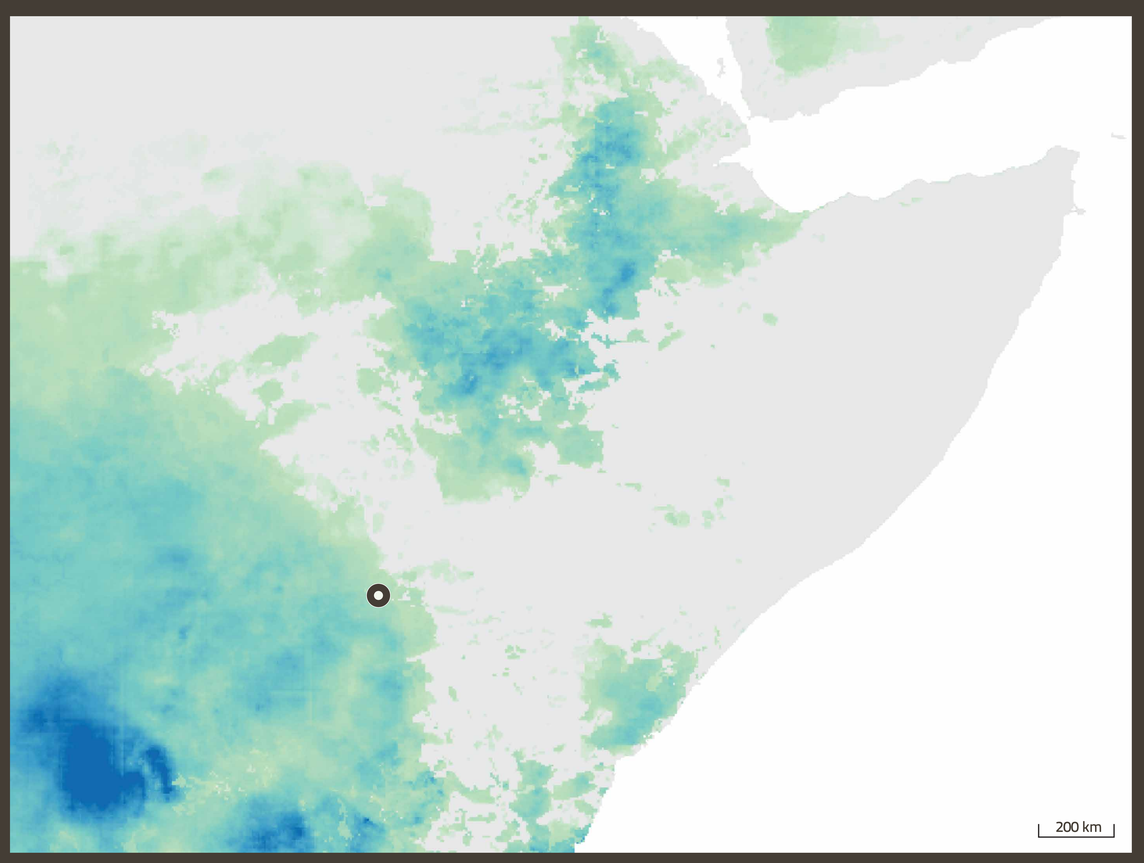
PROVIDING ADVISORY SERVICES TO FARMERS | KENYA



1-10 APRIL 2018



1-10 APRIL 2019



The maps show daily precipitation during the first days of April 2018 (left) and April 2019 (right). Knowing precipitation trends is important for farmers and government agencies to make informed decisions, particularly in rainfed agriculture areas, which depend entirely on precipitation.

Legend (Precipitation mm/day) 0 | 1 | 5 | 10 | 15

Field location of the rainfall chart and picture on the right below

The comparison of the maps highlights a decrease of precipitation in 2019, at the beginning of the crop growing season. This year's poor rainfall in March and April is compromising the livelihoods of smallholder farmers in many parts of East Africa.

Advisory services to farmers are critical in these circumstances to mitigate the impact of climate change. Smartphone applications, such as FAO FAMEWS or PlantVillage, are being developed by FAO and third-parties, that use WaPOR data to provide farmers with information on local conditions on water and vegetation, in addition to artificial intelligence tools that recognize plants pests and diseases.

Without proper monitoring and access to data, it is difficult to accurately plan for changing climate conditions and take appropriate actions for sustainable agricultural practices.

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Farmers in the field can make informed decisions based on intuitive alert messages and advice provided by mobile apps. The collaboration between WaPOR and PlantVillage is now bringing enhanced information to farmers in west Kenya. They are now able to monitor plants pests and diseases in conjunction with WaPOR-sourced information on vegetation trends and water stress.

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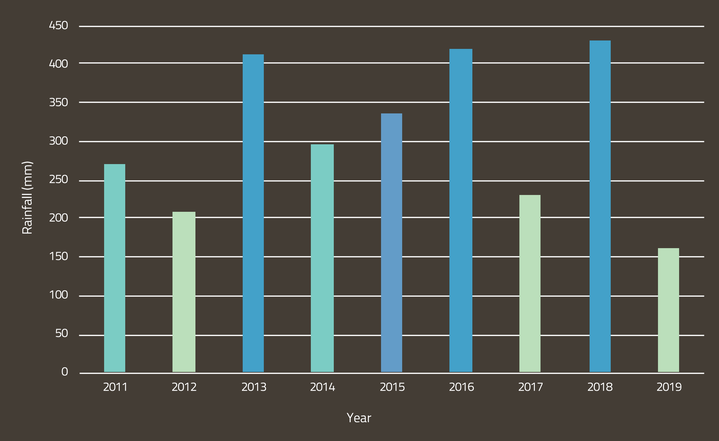
This chart represents the precipitation amount in millimetres for the first two months of the growing season in the location indicated on the map.

Rainfall in the first 2 months of growing season by year (mm)



WAPOR.APPS.FAO.ORG

All maps: wapor.maps.fao.org

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