USDA Foreign Agricultural Service utilizes -
- satellite imagery
- weather data and
- other information
to estimate crop production and monitor agricultural drought in various countries around the world.

Agro-meteorological data are integrated with satellite imagery of different resolutions (high, medium, and low) as needed to answer key questions.
Iraq Drought 2008/09

- High resolution for crop confirmation
- Medium resolution for area calculation
- Low resolution for time-series relative yield estimation (chart shows NDVI with historical crop yields)
Production Statistics: Area

GDA Corp: SASR Mosaic

April 2008

USDA Produced Image Classification (Dominant Crops) [using classification techniques]
USDA FAS provides readily accessible data products through Crop Explorer’s global charts and maps of:

- Meteorological data from World Meteorological Organization (WMO) and US Air Force Weather Agency (AFWA).
- Vegetation assessment (NDVI) data from NASA-MODIS, ESA-SPOT Vegetation.

www.pecad.fas.usda.gov/cropexplorer
USDA FAS

Office of Capacity Building and Development

- Leads USDA’s efforts to help developing countries build their agricultural systems and trade capacity
- Serves as a link to technical expertise available throughout USDA
- Facilitates expert consultations, customized trainings, specialized scientific exchanges, workshops
- Works with USAID, State Dept., U.N. agencies, international institutions and organizations, foreign governments
- Focal point for USDA collaboration with WBG under Water MOU
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