

# Svalbard Global Seed Vault

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Global Crop Diversity Trust

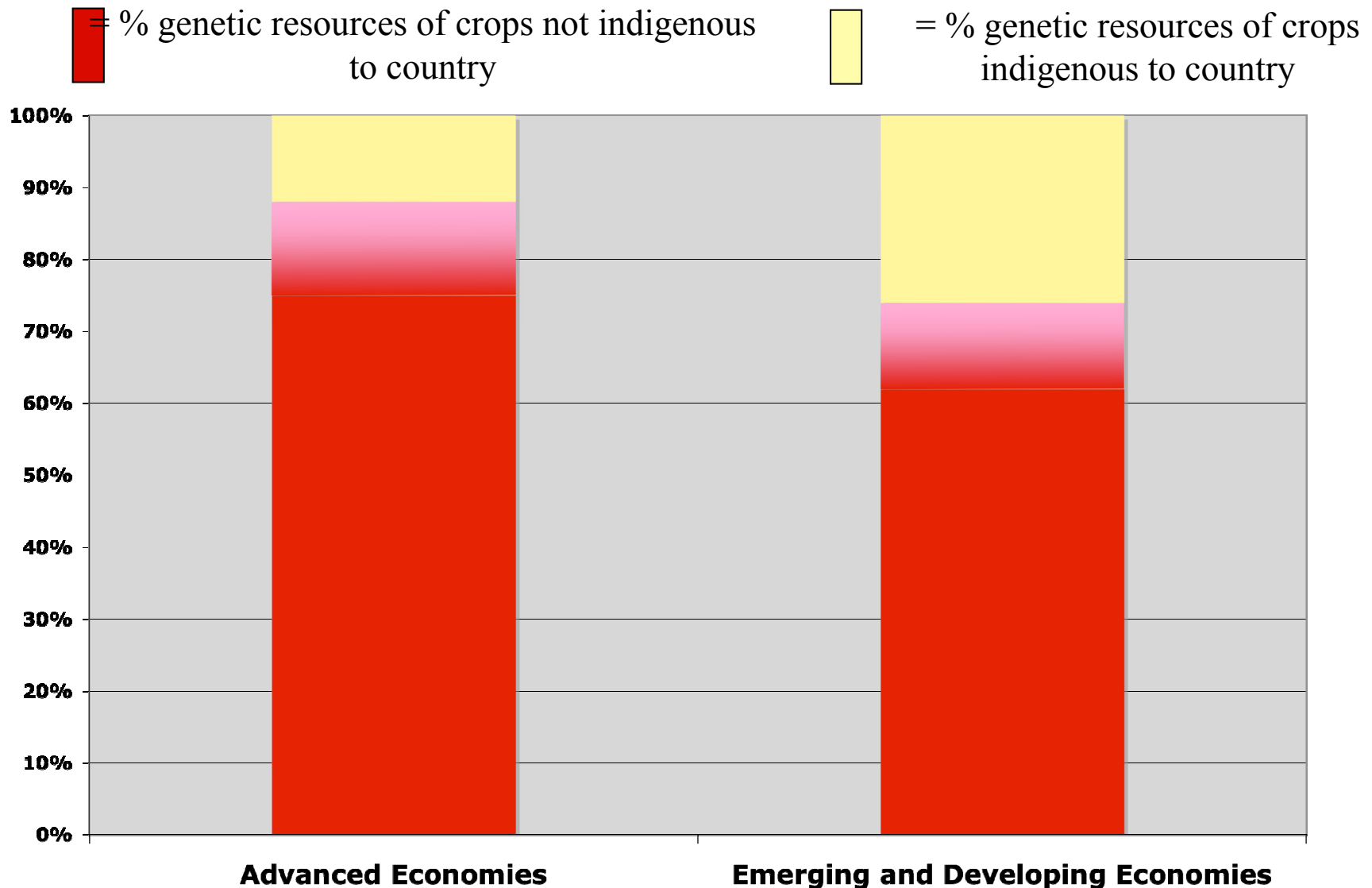




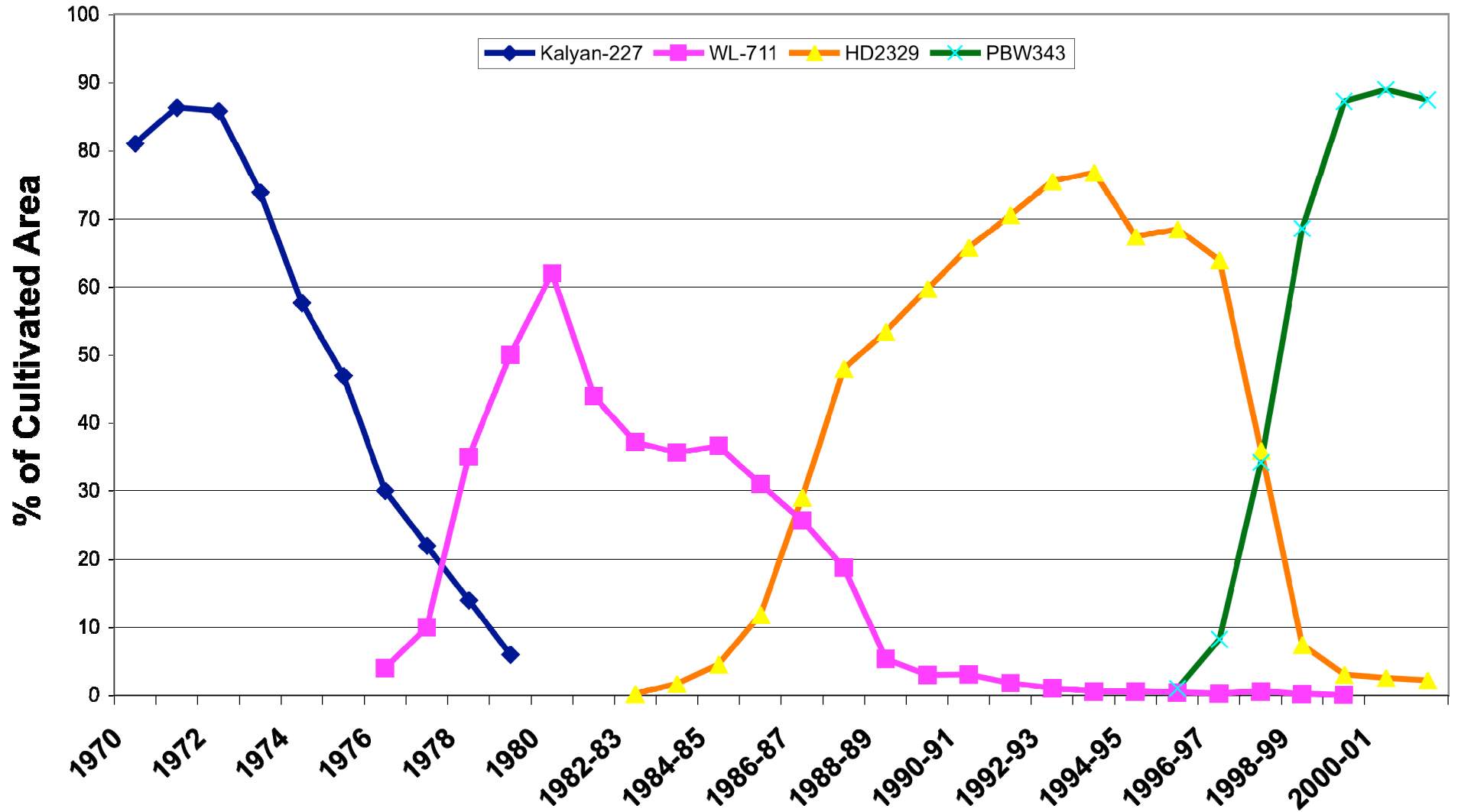


Photo: International Center for Tropical Agriculture (CIAT)

# Interdependence of Genetic Resources in Crops: Food Energy Supply (calories/day)



# Varietal Turnover in Wheat in the Punjab State, India 1970-2002



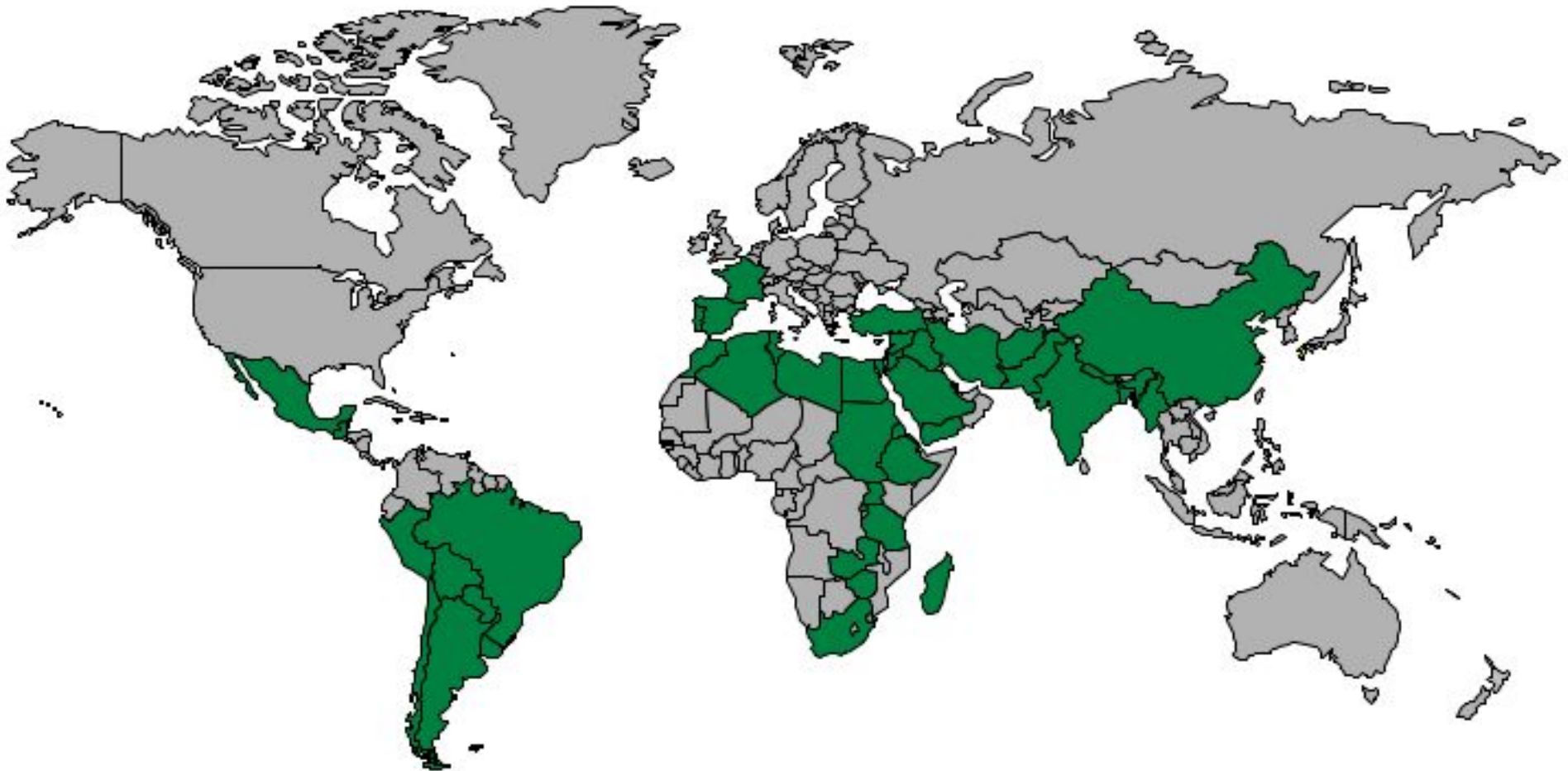
Source: Smale M, Singh J., Di Falco S. and Zambrano P. unpublished data

# Global Interdependence: “Veery” Wheat



country sources- 49 landraces and 66 cultivars from 20 countries

# Global Interdependence: “Veery” Wheat



countries of release- 160 cultivars in 35 countries







**banana demonstration plot**



sweet potato collection



photo: C. Fowler, Global Crop Diversity Trust



seeds submerged in mud

## % of World *Ex-Situ* Collection for Selected Countries by Crop

Country	Wheat ( <i>Triticum</i> )	Rice ( <i>Oryza</i> )	Maize ( <i>Zea</i> )	Bean ( <i>Phaseolus</i> )	Soybean ( <i>Glycine</i> )
Australia	3	0	0	1	1
Brazil	1	2	2	2	2
China	1	11	3	3	14
India	2	5	10	0	1
USA	5	3	5	1	13



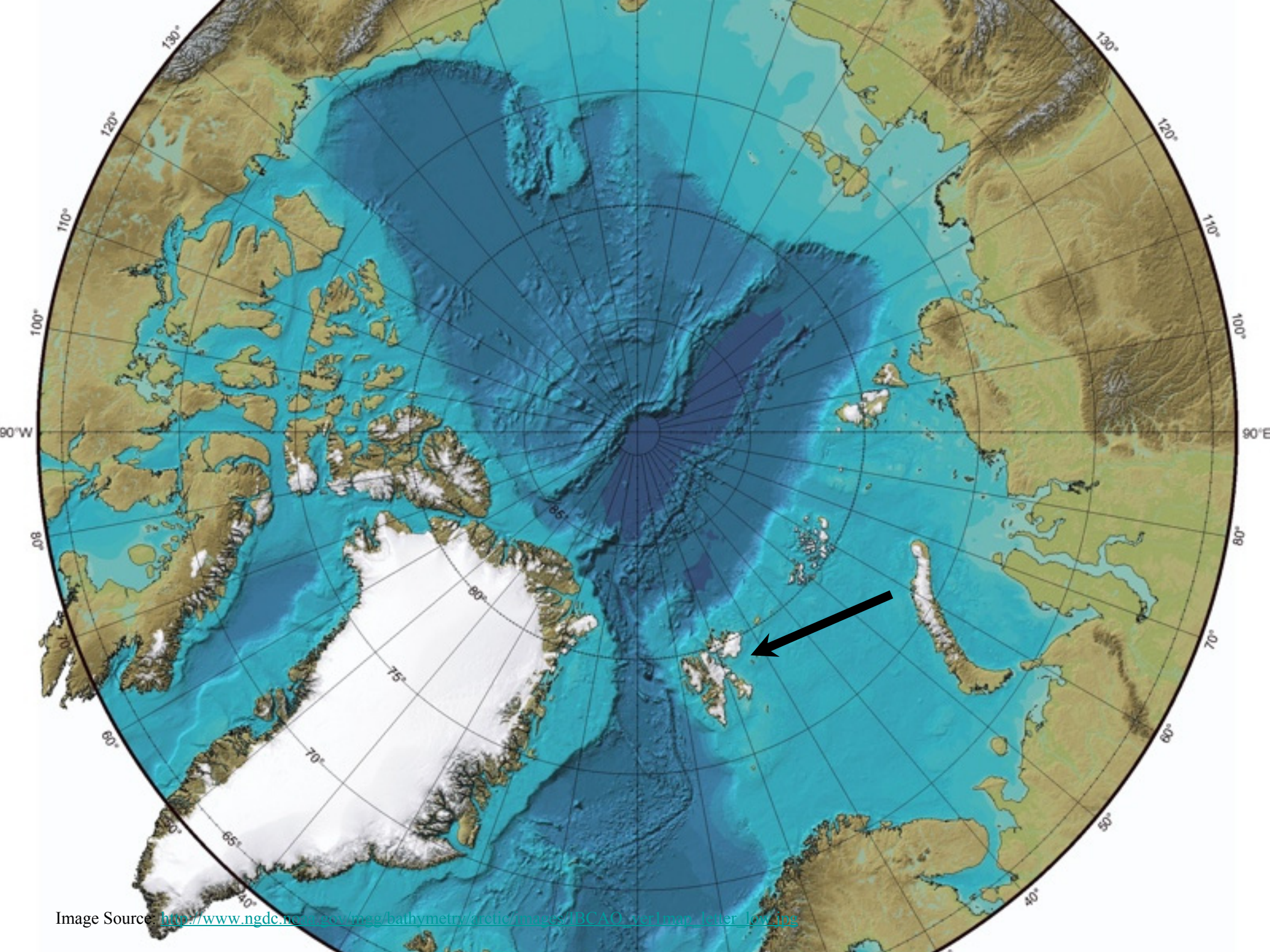
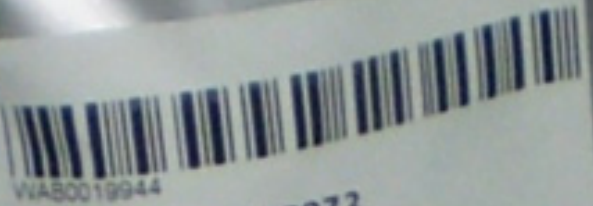


Image Source: [http://www.ngdc.noaa.gov/mgg/bathymetry/arctic/images/BCAO\\_7er1map\\_letter\\_low.jpg](http://www.ngdc.noaa.gov/mgg/bathymetry/arctic/images/BCAO_7er1map_letter_low.jpg)



WAB0019944

TOS 13972

*O. sativa*



Africa Rice Center  
**WARDA**



WAB0020002

ROHYB 160-B-1

*O. sativa*



Africa Rice Center





Photo: Mari Tefre; Global Crop Diversity Trust