

PI 505647 to 505650-continued

- PI 505647 donor id: ZM/A 5137. origin: Zambia. collected: June 18, 1984. collector: A.F. Attere and G. Mlongoti. collector id: ZM/A 5137. locality: Chiwoma, 91km to Mayinga (Kobompa), Northwestern Province. latitude: 11 deg. 20 min. S. longitude: 24 deg. 10 min. E. elevation: 1240m. Annual. Primitive Cultivar. Seed.
- PI 505648 donor id: ZM/A 5198. origin: Zambia. collected: June 19, 1984. collector: A.F. Attere and G. Mlongoti. collector id: ZM/A 5198. locality: Sajungo/Chavuma, 94km N of Zambezi, Northwestern Province. latitude: 13 deg. 04 min. S. longitude: 22 deg. 45 min. E. elevation: 960m. Annual. Seed.
- PI 505649 donor id: ZM/A 5241. origin: Zambia. collected: June 20, 1984. collector: A.F. Attere and G. Mlongoti. collector id: ZM/A 5241. locality: Kafungamina, 82km S of Chizela, Northwestern Province. latitude: 13 deg. 28 min. S. longitude: 25 deg. 00 min. E. elevation: 1050m. remarks: Sown December, harvested April-June. Annual. Cultivar. Seed.
- PI 505650 donor id: ZM/A 5349. origin: Zambia. collected: June 27, 1984. collector: A.F. Attere and G. Mlongoti. collector id: ZM/A 5349. locality: Halubilo, 23km from Munyumbwe to Gwembe, Southern Province. latitude: 27 deg. 45 min. S. longitude: 16 deg. 40 min. E. elevation: 780m. Annual. Primitive Cultivar. Seed.

PI 505651 to 505653. *Helianthus annuus* L. ASTERACEAE Sunflower

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.

- PI 505651 donor id: ZM/A 5056. origin: Zambia. collected: June 17, 1984. collector: A.F. Attere and G. Mlongoti. collector id: ZM/A 5056. locality: Kabuchi, 29km of North Mwinglunga to Myakaseya, Northwestern Province. latitude: 11 deg. 35 min. S. longitude: 24 deg. 28 min. E. elevation: 1330m. Annual. Primitive Cultivar. Seed.
- PI 505652 donor id: ZM/A 5129. origin: Zambia. collected: June 18, 1984. collector: A.F. Attere and G. Mlongoti. collector id: ZM/A 5129. locality: Chiwoma, 91km to Mayinga (Kobompo), Northwestern Province. latitude: 11 deg. 20 min. S. longitude: 24 deg. 10 min. E. elevation: 1240m. remarks: Seed black. Annual. Primitive Cultivar. Seed.