

PI 543974 to 544063. *Carthamus tinctorius* L. ASTERACEAE Safflower

**Donated by:** Li, D., Beijing Botanical Garden, Institute of Botany, Chinese Academy of Sciences, Xiangshan, Beijing, China. **remarks:** Received through P.F. Knowles, 5703 Nakat Way, Blaine, WA 98230. Received January 30, 1989.

- PI 543974 **origin:** China. **local name:** Honghua. **collected:** October 1980. **collector id:** BJ-142. **other id:** W6 119. **group:** W6. **locality:** Hetian County, Xinjiang Province. **remarks:** Growing period 117 days. Plants 98.1cm tall, very spiny. Branching angle 35 degrees. Head diameter-2.11cm. Flowers orange. 100 seed weight-6.53g. Oil content-30.07%. Annual. Cultivated. Seed.
- PI 543975 **origin:** China. **local name:** Honghua. **collected:** February 1981. **collector id:** BJ-180. **other id:** W6 120. **group:** W6. **locality:** Nanxi County, Sichuan Province. **remarks:** Growing period 92 days. Plants 68cm tall, spiny. Branching angle 34 degrees. Head diameter-2.54cm. Flowers red. 100 seed weight-4.25g. Oil content-22.51%. Linoleic acid-74.6%. Oleic acid-18%. Stearic acid-1.0%. Palmitic acid-6.3%. Annual. Cultivated. Seed.
- PI 543976 **origin:** China. **local name:** Honghua. **collected:** February 1981. **collector id:** BJ-182. **other id:** W6 121. **group:** W6. **locality:** Heze County, Shandong Province. **remarks:** Growing period 104 days. Plants 65.4cm tall. Head diameter-2.08cm. Flowers orange. 100 seed weight-5.4g. Oil content-24.53%. Annual. Cultivated. Seed.
- PI 543977 **origin:** China. **local name:** Honghua. **collected:** February 1981. **collector id:** BJ-183. **other id:** W6 122. **group:** W6. **locality:** Zhecheng County, Henan Province. **remarks:** Growing period 102 days. Plants 78.9cm tall, spineless. Branching angle 51 degrees. Head diameter-2.06cm. Flowers orange. 100 seed weight-5.1g. Oil content-24.85%. Linoleic acid-75.5%. Oleic acid 15.8%. Stearic acid-2.5%. Palmitic acid-6.1%. Annual. Cultivated. Seed.
- PI 543978 **origin:** China. **local name:** Honghua. **collected:** February 1981. **collector id:** BJ-194. **other id:** W6 124. **group:** W6. **locality:** Yingshan County, Sichuan Province. **remarks:** 100 seed weight 2.78g. Annual. Cultivated. Seed.
- PI 543979 **origin:** China. **local name:** Honghua. **collected:** February 1981. **collector id:** BJ-200. **other id:** W6 125. **group:** W6. **locality:** Tongliao City, Inner Mongolia. **remarks:** Growing period 103 days. Plants 87.5cm tall, spineless. Branching angle 40 degrees. Head diameter-2.32cm. Flowers orange. 100 seed weight-4.56g. Annual. Cultivated. Seed.