Registration of Germplasms

REGISTRATION OF ML-48-65 WHITE CLOVER GERMPLASM
(Reg. No. GP 8)
D. A. Cooke and L. G. Sonmor

ML-48-65 white clover (Trifolium repens L.) is the progeny from three of 15 introductions from the USSR grown at Melfort, Saskatchewan from 1949 to 1965. In 1949, 405 plants were established from the 15 seed lots. By 1952 only 16 plants from three of the seed lots remained alive. Selected plants were cloned and about 400 plants from each seed lot were transplanted to form a seed increase plot. Open-pollinated seed was collected each year from 1953 to 1965.

ML-48-65 is very winter-hardy and able to withstand cold moving or grazing. In general growth characteristics it is larger and more vigorous than 'White Dutch Clover' but smaller than 'Meris.' It has glandular hairs and yields more than 'Meris,' 'Pilgrim,' 'Ladino' and all white clover introductions tested at Melfort since 1953.

ML-48-65 has been extensively tested as a component of irrigated pasture mixtures at Saskatoon and Outlook, Sask. In a test seeded at Saskatoon in 1971 this strain showed good stands after 5 years. In simulated pasture trials this clover showed dominance in mixtures with slender wheatgrass, bromegrass, and intermediate wheatgrass, and a near 50:50 balance with bluegrass.

ML-48-65 was first released for distribution in 1966 as a source of winter-hardy white clover. Small amounts of seed are available from the Agricultural Research Station, P.O. Box 1240, Melfort, Sask., Canada S0E 1AO.

REFERENCES

REGISTRATION OF B68195-25 SAFFLOWER GERMPLASM
(Reg. No. GP 18)
G. H. Abel

B68195-25 safflower (Carthamus trinctorius L.) was developed cooperatively by the ARS-USDA and the Univ. of Arizona Agric. Exp. Stn. It was released 11 February 1976. B68195-25 develops heavy foliage, with lower leaves that resist firing throughout the flowering period. Other cultivars begin lower-leaf firing in early flower. Plant height averages about 130 cm, which is about 10 and 20 cm taller than 'Royall' and 'Gold,' respectively. Following adequate weed control during early growth, plants with these characteristics of leafiness, delayed leaf firing, and greater plant height shade the soil surface during the later stages of growth and inhibit weed growth in late summer. The problem of green weed material in combine-harvested seed can be drastically reduced by this growth habit.

Flower color is yellow during bloom and orange when dry. Heads are medium-sized, average 2.6 cm in diameter, and contain about 35 seeds per head. Seed weight averages 2.7 g/100 seeds. Bracts extend above the head and guard seeds from feeding birds.

REGISTRATION OF B68195-25 SAFFLOWER GERMPLASM
(Reg. No. GP 18)
G. H. Abel