

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
TECHNOLOGY DEVELOPMENT AND APPLICATION, ECOLOGICAL SCIENCES
WASHINGTON, D.C.

and the

TEXAS AGRICULTURAL EXPERIMENT STATION
TEXAS A&M UNIVERSITY
COLLEGE STATION, TEXAS

and the

TEXAS FOREST SERVICE
TEXAS A&M UNIVERSITY
COLLEGE STATION, TEXAS

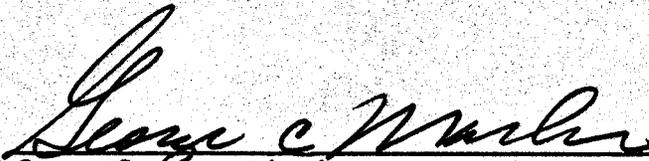
NOTICE OF GERM PLASM RELEASE OF 'RAINBOW' WILD PLUM

The United States Department of Agriculture, Soil Conservation Service, the Texas Agricultural Experiment Station, and the Texas Forest Service announce the germ plasm release of 'Rainbow' wild plum (*Prunus* spp.). 'Rainbow' is a composite of four accessions, selected and composited at the Soil Conservation Service Plant Materials Center, Knox City, Texas. Plant increase has been made from seed produced on the parent plants without attempt to reselect superior forms. The species predominate in the composite is *Prunus angustifolia* Marsh. The permanent number assigned to 'Rainbow' wild plum is PI-434240.

'Rainbow' is a perennial fruit-bearing shrub or small tree. The composite was composed of four accessions chosen because of their excellent fruit production and varying fruit maturity dates--maturing from June through October. This attribute allows fruit to be available for wildlife over an extended period. Propagation is attained by seed and/or root sprouts. Field studies have proven this plant's multiuse ability to help with erosion control and plant diversity in the reclamation of mine spoil, in addition to being an excellent plant for use by wildlife and for beautification. It appears to be adapted throughout Texas and southern Oklahoma on well drained tighter soils to sandy loam soils.

Notice of Germ Plasm Release of 'Rainbow' Wild Plum (Continued)

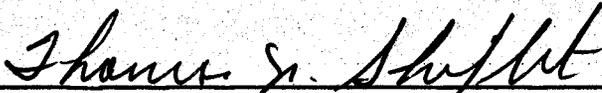
The original seed increase block will be maintained at the Knox City Plant Materials Center. A supplemental block will be maintained by Texas Forest Service, Lubbock, Texas, who will be providing limited numbers of seedlings. Commercial nurserymen interested in establishing a production block to produce seed for their use should request seed from the Knox City Plant Materials Center from 1983 to 1987.



State Conservationist
Soil Conservation Service, Texas

AUG 18 1981

Date



Director, Ecological Sciences
Technology Development and Application
Soil Conservation Service, Washington, D.C.

Oct. 2, 1981

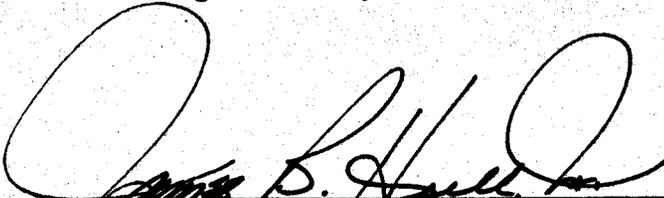
Date



Director
Texas Agricultural Experiment Station
College Station, Texas

SEP 08 1981

Date



Director
Texas Forest Service
College Station, Texas

19 August 1981

Date

Basis for Germ Plasm Release of
'Rainbow' Wild Plum, *Prunus* Spp.

'Rainbow' is a composite of four accessions: PMT-645, PMT-646, PMT-647, and PMT-648. PMT-645 was collected in Kent County, Texas, where the average annual rainfall is 22 inches. PMT-646 was collected northeast of Bonham in Fannin County, Texas, where the average annual rainfall is 44 inches. PMT-647 and PMT-648 were collected in Wise County, Texas, where the average annual rainfall is 30 inches.

Seed of PMT-645, 646, 647, and 648 were combined and reaccessioned as PMT-3788. The four original accessions had been selected because of their varying times of fruit maturity. Combined into one accession, the plants will mature fruit over an extended period, making fruit available to wild-life from June to October. No attempt to select individual forms has been made and the bulk mixture has been maintained. Hybridization does exist within the selection and no effort has been made for reselection.

All of the seed collected to date have been handpicked. It is anticipated that large quantities of seed cannot be made available to the public at an economical cost because of nonmechanized harvesting. Specialized uses for this plant as a mine and land reclamation species support the need for the release of this plant.

Refer to the release notice for uses, other supportive information, and area of adaptation.