

284704 to 284729—Continued**284715 to 284718—Continued**

284718. Col. No. 19756. Pilot Hill, El Dorado County, Calif. Elevation 1,100 feet. Spring annual to eight inches high; flowers low, purple.

284719. LUPINUS HIRSUTISSIMUS Benth.

Col. No. 19738. Rocky, sunny slope along mountain grade, Santa Isabel, San Diego County, Calif. Elevation 3,000 feet. Erect stooiling annual to 32 inches high; flowers dark purple, on long spikes and armed with piercing hairs.

284720. LUPINUS LATIFOLIUS Agardh

Col. No. 19774. Wildcat Canyon, Berkeley Hills, Alameda County, Calif. Herbaceous; branches erect, spreading.

284721 to 284723. LUPINUS LUTEOLUS Kell.

284721. Col. No. 19724. Rocky roadbank 15 miles north of Raymond along road to Mariposa, Calif. Elevation 1,500 feet. Annual with white flowers.

284722. Col. No. 19757. Gravelly road shoulders, Auburn, Placer County, Calif. Elevation 1,500 feet. Annual to 16 inches high; racemes arching.

284723. Col. No. 19769. Hwy. 20 talus slope, 20 miles west of Williams, Colusa County, Calif. Erect, determinate spring annual to 16 inches high; flowers cream white; spikes and seeds prolific.

284724. LUPINUS MONTIGENUS Heller

Col. No. 19799. Dry, sagebrush roadside junction Hwys. 120 and 395, Lee Vining, Mono County, Calif. Elevation 7,150 feet. Wild perennial herb to 24 inches high; many shoots from single crown.

284725. LUPINUS PACHYLOBUS Greene

Col. No. 19775. Wildcat Canyon, Berkeley Hills, Alameda County, Calif. Annual herb to 20 inches high, leafy; flowers dark purple; pods fleshy when green.

284726. LUPINUS STIVERI Kell.

Col. No. 19797. Granitic soils two miles north of Oakhurst, Madera County, Calif. Elevation 2,800 feet. Tender, annual to 16 inches high; flowers magenta; petals long; pods green.

284727. LUPINUS sp.

Col. No. 19725. Seven miles northeast of Raymond, Madera County, Calif., along road to Ahwahnee. Shrub to 6 feet high.

284728. LUPINUS sp.

Col. No. 19731. Hayward roadbank, Alameda County, Calif. Annual to 16 inches high; flowers purple.

284729. LUPINUS sp.

Col. No. 19740. Grain field Murrieta, Riverside County, Calif. Elevation 1,200 feet. Spring annual growing rankly in sandy loam. White- and purple-flowered forms.

284730 to 284732. HUMULUS LUPULUS L. Moraceae.**Common hop.**

From Great Britain. Cuttings presented by the East Malling Research Station, Maidstone, Kent, England. Received November 14, 1962.

284730. 'Defender-D3'.

284731. 'Density-D1'.

284732. 'Janus-J2'.