

PI 516589 to 516590-continued

PI 516589 donor id: GR 295. origin: Morocco. collected: July 06, 1983. locality: 33km SE of Tiflet. elevation: 300m. remarks: 500-550mm annual precipitation site. Soil 8.0pH. Annual. Wild. Seed.

PI 516590 donor id: GR 325. origin: Morocco. collected: July 06, 1983. locality: Shallow red brown soil, heavily grazed site, 15.5km NW of Maaziz on S 204. elevation: 450m. Annual. Wild. Seed.

PI 516591. *Hordeum bulbosum* L. POACEAE Bulbous barley

Donated by: Rumbaugh, M.D., Forage and Range Research Lab., USDA-ARS, Utah State University, Logan, Utah, United States; and Graves, W., Cooperative Agricultural Extension, 5556 Overland Avenue, Building 4, San Diego, California, United States. Received January 1986.

donor id: GR 437. origin: Morocco. collected: July 13, 1983. locality: 5km S of Zitouna on Road 2641, W of Ouezzane. elevation: 210m. Perennial. Wild. Seed.

PI 516592. *Hordeum vulgare* L. POACEAE Barley

Donated by: Rumbaugh, M.D., Forage and Range Research Lab., USDA-ARS, Utah State University, Logan, Utah, United States; and Graves, W., Cooperative Agricultural Extension, 5556 Overland Avenue, Building 4, San Diego, California, United States. Received January 1986.

donor id: GR 654. origin: Morocco. collected: July 30, 1983. locality: Near Ouarzazate Oasis at Fadragoun. remarks: Grown by Ait Allah Brahim. Cultivated. Seed.

PI 516593 to 516598. *Hyparrhenia hirta* (L.) Stapf POACEAE

Donated by: Rumbaugh, M.D., Forage and Range Research Lab., USDA-ARS, Utah State University, Logan, Utah, United States; and Graves, W., Cooperative Agricultural Extension, 5556 Overland Avenue, Building 4, San Diego, California, United States. Received January 1986.

PI 516593 donor id: GR 38. origin: Morocco. collected: July 04, 1983. locality: Loam soil, roadside, 17km E of Rabat. Wild. Seed.