

USDA ACCESSION NO.: 21053

SELECTION: Seedling Selection No. 12/61 made at the Hop Research

Institute Zalec, Yugoslavia, by Dr. Tone Wagner in the early 1970's

GENUS: Humulus

SPECIES: lupulus

CULTIVAR: Aurora

PEDIGREE: [64107](#) x TG; Northern Brewer x Yugoslavian wild male TG growing near the institute

PRIMARY SITE: USDA World Hop Cultivar Collection, OSU East Farm, Corvallis

ORIGIN: Hop Research Institute Zalec, Yugoslavia (now Slovenia)

DATE RECEIVED: 1972; Accession No. assigned in 1972

METHOD RECEIVED: Rhizomes

AVAILABILITY: No restrictions, commercial cultivar

REFERENCES: Wagner, Tone. Autochthonous hop in Yugoslavia and its usability for breeding new varieties in comparison with the hop varieties grown at present. Final Research Report, USDA-Yugoslavia Cooperative Project E30-CR-90/FG Yu-186, May 1974, pp. 256-267.

Wagner, Dr. Tone, and Dragica Kralj. Properties of Slovenian aroma hop varieties and new breeding lines. Talk presented to the 27th Congress of the European Union of Hop Trade, Dubrovnik, Yugoslavia, May 21-22 1979; Proceedings printed in German and English.

MATURITY: Medium early to medium late

LEAF COLOR: Green to moderately dark green

SEX: Female

DISEASES: Downy Mildew: moderately resistant

Verticillium wilt: unknown, probably resistant or tolerant

Viruses: unknown

VIGOR: Good to very good

YIELD: Good to very good

SIDEARM LENGTH: 12-30 inches

ALPHA ACIDS: 10-12%

BETA ACIDS: 4-5%

COHUMULONE: 22%

STORAGE STABILITY: Very good (retained 70-75% of original alpha acids after 6 weeks room temperature storage)

OIL: 1.1-1.8 ml/100 g; ratio humulene/caryophyllene 3.27

MAJOR TRAITS: High alpha acids content, European aroma, good storage stability.

OTHER INFORMATION: Similar in quality characteristics to Northern Brewer; this hop achieved the largest acreage of all the four Superstyrians (over 1000 acres) released in the early 1970's; Aurora, together with Ahil (USDA [21050](#)), Apolon (USDA [21051](#)) and Atlas (USDA [21052](#)) entered the hop trade in the early 1970's as Superstyrian hop similar to Styrian Golding (USDA [21049](#)). All four, however, have higher alpha and different aroma properties than Styrian which led to confusion. Aurora seems to be the best of the four in terms of yield potential and aroma. Acreage has been reduced somewhat in recent years in favor of the old established Savinski (Styrian) Golding (USDA [21049](#)).