New York Seed Improvement Project
Cornell Foundation Seed Program
2024 Spring Grain Varieties for 2025 Delivery

EXCELSIOR GOLD MALTING BARLEY (CU31) is the first variety of two-row spring malting barley released by the Cornell Small Grains Program/Cornell University. Excelsior Gold is derived from a cross between AAC Synergy and Craft. In four years of testing, it has yielded 64 bu/a, 7 bu/a lower grain yield than AAC Synergy and 1 bu/a lower than Newdale and ND Genesis. Excelsior Gold has had very low lodging in the past four years of trials and is resistant to preharvest sprouting with a score of 2.5 compared to 5.2 for AAC Synergy. Excelsior Gold is highly resistant to spot blotch and is moderately susceptible to Fusarium head blight. It has satisfactory malting properties comparable to the high malting quality line AAC Synergy and has somewhat elevated beta-glucan, moderate grain protein and good malt extract. There is a $0.06/lb research assessment on Excelsior Gold.

HudsonNY MALTING BARLEY (CU198) a two-row spring malting barley developed by the Cornell Small Grains Program was derived from a cross between AAC Synergy and KWS Tinka. In five years of testing, it has averaged 70 bu/a, 1 bu/a lower grain yield than AAC Synergy, 5 bu/a higher than Newdale, and 5 bu/a higher than ND Genesis. Resistance to spot blotch is moderate and over four years this line is moderately susceptible to Fusarium head blight. HudsonNY has been evaluated for malting quality for four years and has satisfactory malting properties comparable or superior to the high malting quality line AAC Synergy. Lodging has been very low in the CSGP spring malting barley trials the past four years. There is a $0.06/lb research assessment on HudsonNY.

HAYDEN OATS – A mid to late maturing variety with excellent yield potential and high test weight developed by South Dakota State University. Hayden has performed well in the two years it has been entered in the Small Grains Performance trials for New York. Hayden is resistant to smut, moderately resistant to barley yellow dwarf virus and moderately susceptible to crown and stem rust. There is a **$.30 per bushel** research fee on the sales of Certified Hayden. Hayden has a non- saleable Registered class. Hayden is a U.S. Plant Protected Variety (PVPA 1994) to be sold by variety name only as a class of certified seed.

STEUBEN OATS (MN 09255) - White oat developed by the University of Minnesota from a cross between SA050128/ND 020965. Plant height is about 88 cm compared to 78 cm for Corral and 86cm for Hayden. Heading date is two days later than Hayden and three days later than Corral. Steuben has good lodging resistance, slightly more than Hayden but less than Corral. Steuben is resistant to current races of Crown rust. Steuben yields about three bushels less than Hayden but seven bushels more than Corral. Steuben has the highest test weight, 36.7 pounds per bushel, of our current varieties, this is 4.6 pounds per bushel more than Corral and 1.2 pounds per bushel more than Hayden. Plant variety protection will not be sought. Steuben has a research assessment of **$0.40 per bushel**.