AAC CANADA GOLD-DORÉE *(F10082)*

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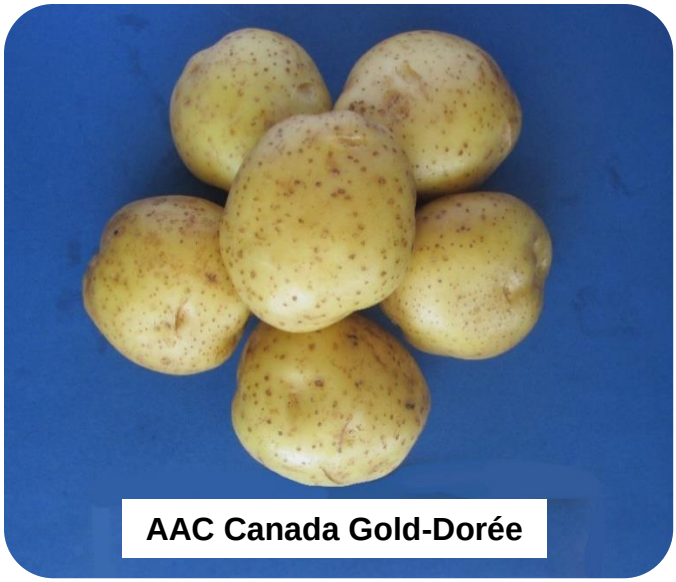

Parentage: N0637-7 X AC Chaleur

Breeder: Agriculture & Agri-Food Canada, Fredericton, NB
(Agnes Murphy, Benoit Bizimungo)

- Early yellow market variety (potential replacement for Yukon Gold)
- Round tubers of uniform size with smooth buff skin and light-yellow flesh
- Average number of eyes of shallow depth
- Moderately short dormancy (similar to Jemseg)
- Mid-season maturity with moderate to strong plant vigor
- Above average size and appearance
- Moderate resistance to scab
- Low to moderate blackspot bruising
- Resistance to PVY by mechanical inoculation
- Indication of some resistance to foliar late blight
- Good drought tolerance
- Early tuber set and sizing, once tops start to senescence it will size quickly and uniformly
- Good boil and bake scores with relatively moist texture

****Note:** Overall ratings of a taste test performed by the University of Laval for the yellow flesh market was slightly higher for AAC Canada Gold-Dorée compared to its standard Yukon Gold. This was due to its nice texture (moist and soft). It has very good potential considering its dominant sweetness.





2-Year Average Production Data from Dryland Variety Trials (2015 & 2016)

- ❖ Trialled at 180lbs N/ac and a 10” spacing
- Total yield 410.3 cwt/acre, 17.4% greater than Yukon Gold
- Marketable yield 337.8 cwt/acre, 22.9% greater than Yukon Gold
- Tuber size was slightly less than Yukon Gold, 46.6% > 2 ¾” vs 62.6%
- Higher tuber set 8 vs 6
- Lower percent of defects 8.9 vs 14.8%
- Very low incidence of growth crack, hollow heart and sunburn
- Specific gravity 1.0806 vs 1.0891, 9 points less than Yukon Gold

Data Recommendations After 3 Years in the Best Management Trial (2018 - 2020)

- Three levels of nitrogen 140, 160, 180 lbs/ac and three spacings 6, 8, and 10” were included in this trial
- A slight increase of roughs and sunburn was measured as spacing and/or nitrogen rates increased. The highest level being seen at a 12” spacing and 180 lbs/ac of N

Recommendation for seed:

- 6” at 180 lbs of N/ac
- To obtain a good seed size profile, at the onset of senescence watch closely as the tubers size quickly, especially at the higher rates of nitrogen

Recommendation for tablestock:

- 8” at 160 lbs of N/ac

Based on information provided by the breeder, trial data collection by NBDAAF and from commercial fields. Observations and results may vary slightly depending on location and crop season growing conditions

“Project funded through the Canadian Agricultural Partnership (CAP) program in collaboration with NBDAAF and PNB”