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### **UA CountyGold vs. hybrid 45H33**

#### **2019 Private Coop data**

Trait	No. trials	UA CountyGold (OP cultivar)	45H33 (Hybrid)	UA CountyGold compared to the hybrid 45H33
<b>Mid- and Long-season zones:</b>				
Seed yield (kg/ha)	5	3464	3675	
Relative yield (%)	5	94	100	6% less yield
Days to flowering	5	52.5	49.3	3 days later
Days to maturity	5	106.3	99.3	7 days later
Plant height (cm)	5	121	130	Shorter
Lodging (1 = best)	5	1.1	2.4	Stands better (stiffer)
Seed oil (%)	5	50.9	50.1	Higher oil
Protein in meal (%)	5	23.9	24.4	
Glucosinolate (µmol/g seed)	5	11.2	13.2	
Saturated fatty acid (%)	5	6.2	6.7	Lower saturated fatty acids
Blackleg	2	MR	R	

#### **2020 Public Coop data**

Trait	No. trials	UA CountyGold (OP cultivar)	45H33 (Hybrid)	UA CountyGold compared to the hybrid 45H33
<b>Mid- and Long-season zones:</b>				
Seed yield (kg/ha)	10	2982	3458	
Relative yield (%)	10	86	100	14% less yield
Days to flowering	10	48.2	44.2	4 days later
Days to maturity	10	98.3	92.9	5 days later
Plant height (cm)	8	113	113	
Lodging (1 = best)	8	1.7	2.0	Stands better (stiffer)
Seed oil (%)	9	47.4	47.1	Higher oil
Protein in meal (%)	9	47.5	46.1	Higher protein
Glucosinolate (µmol/g seed)	9	10.3	11.7	
Saturated fatty acid (%)	9	6.1	6.9	Lower saturated fatty acids
Blackleg		MR		

#### **Alberta (Camrose, Edmonton & Vegreville)**

Seed yield (kg/ha)	3	3345	3724	
Relative yield (%)	3	90	100	10% less yield; better in AB
Days to flowering	3	51.9	47.3	
Days to maturity	3	109.9	106.6	
Plant height (cm)	3	114.5	97.8	
Lodging (1 = best)	2	2.8	3.4	
Seed oil (%)	2	50.0	50.4	
Protein in meal (%)	2	44.3	41.8	
Glucosinolate (µmol/g seed)	2	12.4	11.6	
Saturated fatty acid (%)	2	6.0	6.6	

MR = Moderately resistant