

**2022 Oat Hay Variety Trial at Minot**

Variety	Days to	Plant	Harvest	Yield @ 0% moist		CP	ADF	ASH	FAT	NDF	NFC	DMI	DDM	TDN	RFQ	RFV
	Head	Height	Moisture	2021	2022											
	DAP <sup>1</sup>	inches	%	----- Tons / A -----		-----% DM-----										
Otana	46	35	64	0.79	1.97	6.4	38	12.5	3.1	59	19	2.0	59	50	84	94
Paul	51	40	67	1.00	2.01	8.3	31	10.8	3.7	51	26	2.4	64	58	111	118
ND000461	54	37	70	0.78	2.19	9.7	32	10.8	3.6	52	24	2.3	64	59	109	114
Hayden	47	36	67	0.71	1.83	5.4	40	12.6	3.3	61	17	2.0	58	51	81	88
Trial Mean	50	37	67	0.82	2.00	7.4	35	11.7	3.4	56	22	2.2	62	54	96	103
C.V.%	0.8	5.3	3.2	14.5	12.0	17	3.9	4.9	4.1	4.7	9.3	4.2	1.7	2.7	6.1	5.6
LSD 5%	1	NS	NS	0.24	NS	2.5	3	1.1	0.3	5	4	0.2	2	3	12	12
LSD 10%	1	3	NS	0.19	NS	2.0	2	0.9	0.2	4	3	0.1	2	2	9	9

<sup>1</sup> DAP = days after planting

NS = no statistical difference between varieties

Planting Date: May 28

Seeding Rate: 1 million PLS/A

Harvest Date: August 11 (soft dough)

Previous Crop: 2020 = chickpea, 2021 = soybean

Tillage: No-till

Soil Type: Williams Loam

Note: The 2021 trial sustained extreme moisture and heat stress.

ADF=Acid detergent fiber

DM= Dry matter

NDF=Neutral detergent fiber

NFC=Non-fibrous carbohydrates

CP=Crude protein

DMI= Dry matter intake

DDM= Digestible dry matter

TDN= Total digestible nutrients

RFQ= Relative Forage quality

RFV= Relative Feed value