

2021 Oat Hay Variety Trial at Minot

Variety	Days to Head	Plant Height	Harvest Moisture	Yield @ 0 % moist
	DAP ¹	inches	%	Tons / A
Otana	60	21	56	0.79
Paul	60	19	59	1.00
ND000461	63	20	62	0.78
Hayden	59	18	58	0.71
Trial Mean	60	20	59	0.82
C.V.%	2.4	11.2	8.3	14.5
LSD 0.05	1	NS	NS	0.24
LSD 0.1	1	NS	NS	0.19

¹DAP = days after planting

NS = no statistical difference between varieties

Planting Date: April 29

Harvest Date: July 19 (soft dough)

Seeding Rate: 1 million PLS/A

Previous Crop: Chickpea

Soil Type: Williams Loam

Tillage: No-till

Note: The trial sustained extreme moisture and heat stress. View data with caution.

Variety	ADF	ASH	FAT	LIGNIN	NDF	NFC	PROTEIN	IVDMD	NDFD	DMI	DDM	TDN	RFQ	RFV
	% DM	% DM	% DM	% DM	% DM	% DM	% DM	% DM	% DM	% DM	% DM	% DM	% DM	% DM
Otana	33	7.8	3.2	4.9	57	23	13.5	72	58	2.5	63	68	136	121
Paul	32	7.4	3.1	4.5	58	23	13.7	71	56	2.4	64	67	130	118
ND000461	30	8.0	3.5	4.0	58	22	15.3	72	57	2.4	65	69	135	121
Hayden	35	8.3	3.2	5.3	61	21	13.9	70	58	2.3	62	68	129	111
Trial Mean	33	8.0	3.0	5.0	58	22	14.1	71	57	2.4	64	68	132	118
C.V.%	4.0	4.6	3.6	7.4	3	4.5	3.1	2.8	1.3	4.8	1.6	2.6	4.3	4.3
LSD 0.05	3	NS	0.2	0.7	NS	NS	0.9	NS	NS	NS	2	NS	NS	NS
LSD 0.1	2	0.6	0.2	0.5	NS	NS	0.7	NS	1	NS	2	NS	NS	NS

NS = no statistical difference between varieties

ADF=Acid detergent fiber

DM= Dry matter

NDF=Neutral detergent fiber

NFC=Non-fibrous carbohydrates

IVMD=In vitro dry matter digestibility

NDFD= Neutral detergent fiber digestibility

DMI= Dry matter intake

DDM= Digestible dry matter

TDN= Total digestible nutrients

RFQ= Relative Forage quality

RFV= Relative Feed value