

Fort Hays State University

FHSU Scholars Repository

Buildings & Facilities

Campus History Collections

July 2022

Cost Estimate of Raising Atlas Sorgo

Fort Hays Kansas State College

Follow this and additional works at: <https://scholars.fhsu.edu/buildings>

Recommended Citation

Fort Hays Kansas State College, "Cost Estimate of Raising Atlas Sorgo" (2022). *Buildings & Facilities*. 267.
<https://scholars.fhsu.edu/buildings/267>

This Document is brought to you for free and open access by the Campus History Collections at FHSU Scholars Repository. It has been accepted for inclusion in Buildings & Facilities by an authorized administrator of FHSU Scholars Repository. For more information, please contact ScholarsRepository@fhsu.edu.

AN ESTIMATE OF THE COST OF RAISING ATLAS SORGO
FOR SILAGE OR SEED UNDER IRRIGATION

General Plan: Twenty acres to be grown to this crop or similar crops and to be used in a rotation with alfalfa.

Cost of growing the Sorghum
(10 seasons)

1. Blank listing for the crop, 200 acres @ 50¢ ----	\$ 100.00
2. Ridge busting " " " " " " ----	100.00
3. Leveling by harrowing or duckfooting, 200 acres @ 40¢ -----	80.00
4. Planting, 200 acres @ 50¢ -----	100.00
5. Weeding, two operations, 400 acres 40¢ -----	160.00
6. Cutting out hybrids, 30 times @ \$2.50 -----	75.00
7. Harvesting 2000 ton of ensilage for the 10 seasons and making into silage at a cost of \$1.50 per ton into the silo -----	3000.00
8. Threshing 4000 bushels of seed (20 bushels x 20 acres per year for 10 years) @ 15 ¢ per bushel --	600.00
9. Recleaning and preparing 3200 bushels of seed for market @ 15¢ per bushel -----	<u>600.00</u>

Total cost of operation for the 10 years
\$ 4815.00

Returns from the Sorghums

1. Value of 2000 ton of silage @ \$3.00 per ton ---	6000.00
2. Value of certified seed @ \$1.00 per bushel ----	<u>3200.00</u>

Total returns for the 10 years \$ 9200.00

Cost of Irrigation

1. Twenty acres three times per year for 10 years or a total of 600 acres. An acre an hour or 600 hours.

Labor cost @ 60¢ per hour -----	\$ 360.00
Fuel, 3 gallons per hour, 1800 gallons x 12¢ -----	216.00
Repairs on motor and pump -----	<u>150.00</u>
	\$ 726.00

Margin above cost of irrigation from the
the growing of the sorghums ----- \$ 3659.00