
**2021 LEASE SURVEY
SUMMARY REPORT
K-State Research and Extension
Post Rock District
OSBORNE County**



K-STATE
Research and Extension

Post Rock
District

2021 FARM LEASE ARRANGEMENT SURVEY SUMMARY FOR DRYLAND CROPS

K-STATE RESEARCH & EXTENSION



Post Rock District OSBORNE County



Number of survey responses: 18 (24% return rate)

Summary of Cash Rent Paid to Landlord

CROP ENTERPRISE	AVERAGE RENT/ACRE	CASH RENT RANGE
Cropland (dryland)	\$43.00	\$40 - \$75

Comment: 28% of respondents indicated no cash leases.

Estimated Trend for 2022 Dryland Crop/Pasture Leases in Osborne County

No change	50%
Higher	25%
Unsure of 2022 trend	25%
Lower	No responses

Trend of Lease Arrangements for 2022

NO CHANGE	MORE CASH RENT	MORE CROP SHARE
73%	18%	9%

Adjustments to Cash Rents due to rising input costs in 2021

NO ADJUSTMENTS	INCREASE	DECREASE
89%	11%	No responses

**Percentage of acres in the different Tillage Systems in 2021
(Number of responses)**

No -Till	Minimum Till	Conventional Till	Summer Fallow
5 - 100% 2 – 80% to 85%	3 - 70% or less	1 – 100%	1 – 30%

Other comments: No wheat – Grain sorghum is 50% no-till and 50% min. till. It is up to the tenant.

**When were the cash rent payments made to the landlord for 2021
(% of responses)**

All at once	Split payment	Dates	After Harvest
22% (Fall, October)	56%	Feb./August, March/Oct., March/Nov., May/Nov., July/.Nov.	22% (November)

Interest in Flexible Leasing Arrangements

No	Yes
100%	No responses

Crop Share Summary

DRYLAND CROP ENTERPRISE	SHARE PAID TO LANDLORD	OTHER COMMENTS
Wheat	1/3 – 100%	
Grain Sorghum	1/3 – 91% 1/2 -9%	
Corn	1/3 – 100%	
Sunflowers	1/3 – 100%	
Soybeans	1/3 – 100%	
Alfalfa	1/3 – 100%	
Other Dryland Crops (Brome Hay)	1/3 – 100%	
Landlord's Share of Government Payments	1/3 - 82% 1/2 - 9% None – 9%	
Landlord's Share of Crop Insurance Proceeds	1/3 - 55% None – 36% 1/2 - 9%	

. Other comments: 17% of respondents indicated no crop share leases.

**Percentage of Written and Oral Leases
For Pasture and Cropland (number of responses)**

Written Leases		Oral Leases	
4 - 100%	2 - 66% to 95%	4 - 100%	2 - 33% or less

**Landlord Share of Input or Cost
(Percent of responses)**

EXPENSE OR INPUT	Landowners % Share of Crop Expenses	Other Comments
Fertilizer	1/3 - 100%	
Fertilizer Application	1/3 - 55% None - 45%	
Herbicide	1/3 - 73% None - 27%	
Herbicide Application	None - 64% 1/3 - 36%	
Insecticide	1/3 - 55% None - 45%	
Insecticide Application	None - 64% 1/3 - 36%	
Harvesting Costs	None - 82% 1/3 - 18%	
Hauling Grain	None - 82% 1/3 - 18%	
Drying costs after harvest	None - 60% 1/3 - 40%	
Crop Insurance	1/3 - 70% None - 30%	-Landlord has own insurance.
Other production costs (seed, fungicide, crop consulting, water, etc.)	None - 82% 1/3 - 18%	
Terrace/Conservation Structure Maintenance (annual upkeep costs)	1/3 - 36% None - 27% 100% - 27% 10% - 10%	
Terrace/Conservation Structure Construction (major land investments)	100% - 36% None - 27% 1/3 - 27% 10% - 10%	

Comment: Tenant has all the expenses except the taxes.

Pasture Lease Summary

Physical Location of Pasture Land

Osborne Co. 73%
Smith Co. 27%

Pasture Land Rental Rates

Average rent/acre \$18.00/acre
Range/acre \$10-\$25/acre

Expected Trend for 2022 Stocking Rates

No Change 73%
Increase 9%
Decrease 18%

Livestock Stocking Rate (Cow/Calf)

Average 10 acres/pair
Range 7-14 acres/pair

Mature Weight of Cow

Average 1,300 lbs.
Range 900-1,500 lbs.

Backgrounding stocking rates/weights

Average 2 acres/hd.
Starting Weight 725 lbs.
End Weight 925 lbs.

Livestock Water Supply

Pond 50% Stream 5%
Well 40% Transported to site 5%
(Use Post Rock water)

Summary of Tenant/Landlord Responsibilities

Responsibility	Tenant	Landlord
Maintaining Water Supply	92%	8%
Maintaining Fences - Furnishing Materials	42%	58%
Maintaining Fences - Furnishing Labor	100%	No responses
Controlling Weeds	69%	31%

Special arrangements for weed control in pastures:

Yes - 50% No - 50%

2021 Grazing Period

Pasture season length (months)	Month Started	Month Ended
4 mo. - 14%	April - 14%	Aug. - 14%
6 mo. - 86%	May - 86%	Nov. - 86%

2020 Grazing Period (previous year)

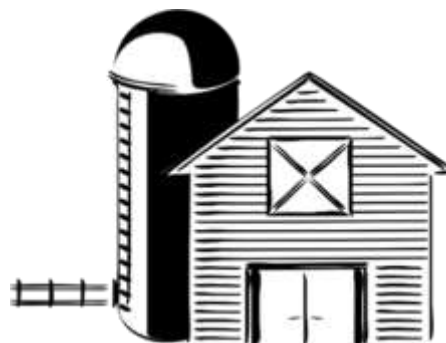
Pasture season length (months)	Month Started	Month Ended
4 mo. - 10%	April - 10%	Aug. - 10%
6 mo. - 90%	May - 90%	Nov. - 90%

Kinds of Pastureland - 2021

Upland	Lowland/River	Mixture
11 - 100% 1 - 60% or less	3 - 20% or less	No responses

Comments:

- 50/50 split for tree control.
- Landlord will pay to spray with plane.
- Landowner will pay for chemicals.
- Tenant takes care of the weed control.
- Tenant pays landlord if weeds aren't controlled.
- One spraying per year by the landowner.
- Split costs of chemical with landowner and tenant.
- Tenant buys the spray with landowner approval.
- Tenant and landowner split costs of spraying musk thistle.
- Landowner pays for the chemical and the tenant makes the application.
- 17% of the respondents indicated no pasture leases.



Crop Residue Grazing Summary

Physical Location of Crop Residue Land

Osborne Co. 83%
Smith Co. 17%

Crop Residue Rental Rates

Average: \$5.00/acre
Range: \$4-\$5/acre

Type of Cattle/Livestock On Crop Residue

Dry Cows 60%
Cow/Calf pairs 40%

Goals of grazing crop residue

Maintain body condition 100%

Livestock Water Supply

Transported to site 33%
Well 33%
Other (Pond, Rural water) 33%

Crops Utilized for Grazing - (% of responses)

Milo 63%
Corn 25%
Wheat 13%

Crop Residue Grazing Period 2021

Grazing Season Length (months)	Month Started	Month ended
1 mo. – 25% 2 mo. – 50% 3 mo. – 25%	Nov. – 100%	Dec. - 25% Jan. - 50% Feb. - 25%

Crop Residue Summary of Tenant/Landlord Responsibilities 2021

Responsibilities	Tenant	Landlord
Maintaining water supplies	83%	17%
Maintaining Fences-Furnishing Materials	80%	20%
Maintaining Fences - Furnishing Labor	67%	33%
Livestock Care	83%	17%

Other comments with crop residue grazing

-Utilize cheap feed

-72% of respondents indicated no crop residue leases.



Recreational Leasing Summary

Percentage of Written and Oral Leases

For recreational hunting:

Oral	Written
63%	38%

Years with same tenant:

1-15 years	57%
16-20 years	43%

(Leased hunting ground to the State of KS Walk-In hunting program.)

Leasing Arrangements for Hunting 2021:

Hunting Type	Acres	# Hunters	Length	Rental \$
Deer	5,130	Unlimited	Season	\$3,500 \$2-\$3/A (State) \$4-\$10/A \$2,000/year
Turkey	4,100	Unlimited Limited to 5	Season Yearly	\$300 \$2-\$3/A (State) \$4-\$10/A
Game birds	1,400	Unlimited	Season	\$4-\$10/A
Water-fowl	1,400	Unlimited	Season	\$4-\$10/A

Comments: Price is per person. Turkey is limited to 5 persons/season with a house provided in the price.

Rating of Hunting:

Excellent	44%	Good	11%
Very Good	33%	Fair	11%

Are users required to sign a waiver of liability or carry liability insurance?

No	88%
Yes	12%

Is the property specifically managed to improve the wildlife or fish habitat?

No	67%
Yes	33%

Other comments related to recreational hunting:

- No leasing indicated (44% of respondents).
- Walk-in Hunting (No - 60%; Yes - 40%)
- This is up to the tenant and they make all the decisions.
- Written in farm lease.
- All ground is leased for hunting to family members.
- State of Kansas hunting program.

Information related to recreational hunting:

In many parts of Kansas, hunting leases for cropland and pasture offer an additional revenue source for land-owners. Whether or not to pursue this option is going to depend on a couple of factors: how much can I charge and what is my liability exposure?

Information on hunting leases and rental rates is challenging to find and, when it is available, interpret accurately. There is very little consistency across hunting leases and learning what other people pay and/or receive is only half of the equation. How much a hunter is willing to pay for a lease will depend on the amount of land, the quality of the habitat, the range of wildlife and seasons the land can be hunted, along with documented harvests of trophy animals on that land. Each of these factors can affect the rental rate, as well as how many years the land may be rented. Another aspect of hunting leases that affects the rental rate is the availability of additional services such as housing, meals, guide services, and even transportation from the nearest airport. Landowners who cater to more of the needs of hunters will be able to charge a higher rent for their land.

The question of liability is an important one because risk exposure depends on the type of lease that is negotiated. Agricultural land owners can avoid liability if they allow hunters on their land at no charge or if they charge a fee for hunting only. This means if any additional services are provided such as guiding, lodging, etc. the landowner may be liable. Another option for the landowner to rent their land and not have to deal with liability is by contracting with the State of Kansas through the Walk-In Hunting program.

Regardless of the type of lease that is pursued, it is important to remember that the hunting rights to a piece of rented farmland transfer to the tenant unless they are explicitly retained by the landowner in a written contract. This means both landowners and producers need to discuss how a hunting lease would work for them and how the costs and benefits will be split. Examples of questions to answer include: Who pays for any improvements that affect the hunting lease, i.e. permanent blinds? Will the presence of livestock on the land be affected by hunting?

Communication between the landowner and producer can make hunting leases a beneficial option.



General Lease Concepts

Rules & Regulations:

- Leases must be longer than two years to allow tenants to sublease.
- When a farm is sold, the new owner substitutes for the old.
- Leases are binding on executors and heirs.
- Written leases can cover any length of time.
- Oral leases are **unenforceable** if they are one year or more in length.

Test of a Good Lease:

- Is it written?
- Does it encourage proper amounts of yield increasing expenses?
- Does it plan for new or needed improvements?
- Does it promote conservation?
- Is the crop shared in the same percentage as the contribution?

Lease Termination Notice:

- In writing
- At least 30 days prior to March 1
- **Spring planted crops:** must fix termination date of tenancy to take place on March 1
- **Fall seeded crops:** will be terminated the day after harvest or August 1
- **Exception to above:** written lease providing otherwise

Crop Share Leases

A good crop share lease should follow five basic principles:

- Yield increasing inputs should be shared.
- Share arrangements should be re-evaluated as technology changes.
- Total returns divided in same proportion as resources contributed.
- Compensation for unused long-term investments at termination.
- Good landlord/tenant communications

Advantages of Crop Share Leases:

- Yield and price risks and opportunities are shared by tenant and landlord.
- Less operating capital needed by the tenant.
- Management skills may be shared by an experienced landlord and tenant.
- Tax management opportunities from timing of sales and input purchases.
- Material participation issues

Disadvantages of Crop Share Leases:

- The landlord's income is more variable.
- More record keeping is required.
- Landlords have marketing decisions to make.
- Joint management decisions must be made and disagreements may occur.
- Material participation/Social Security issues

Cash Rental Leases

Methods to Determine Cash Rental Rates:

- **Market going rate (if available)**
Local competitive rental rates
- **Landowner's cost**
Depreciation, Interest, Repairs, Taxes, Insurance - Based on the premise of landowner's continuing to receive comparable returns to what has been received in the past.
- **Crop share equivalent (adjusted for risk)**
Converts equitable crop share rent to an expected dollar amount per acre.
- **What Tenant Can Afford to Pay**
 $\text{Revenue} - \text{Non-land Costs} = \text{Rent}$
(The last three require yield, price, and government payment projections as well as cost information used for crop share.)



Advantages of Cash Leases:

- **For Landlords**
 - Less involvement in management.
 - No production costs to share.
 - No marketing decisions to make.
- **For Tenants**
 - More managerial control and freedom.
 - More income for above-average managers.
 - More potential for windfall profits in good years.

Disadvantages of Cash Leases:

- **For Landlords**
 - No potential for windfall profits in good years.
 - Less tax management flexibility from timing sales and expenses.
 - Risk of exploiting or “mining” of the farmland by a tenant.
- **For Tenants**
 - Bears all yield and price risk.
 - Crop production and expenses are higher.

Trends in Leases and Values of Agricultural Land in Kansas

by Robin Reid, K-State Research and Extension, Ag Economist

The agricultural industry in recent years has faced increased volatility in commodity prices and therefore uncertain profitability for farmers and ranchers. While 2021 offered higher commodity prices and profitability for most producers, the ongoing pandemic has created new challenges with supply chain disruptions and escalating input costs, adding stress to the bottom line for farmers and ranchers.

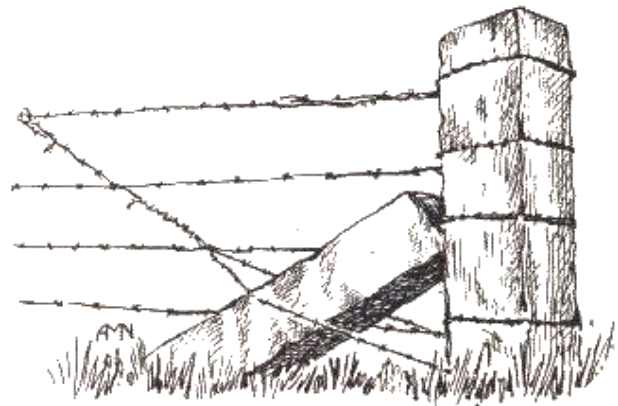
Amid these challenges, land prices have seen an unprecedented increase in value due to low interest rates, recent higher profitability in farming returns (due to government payments and higher commodity prices), historically high inflation rates, and increases in investment outside of agriculture. According to surveys by USDA-NASS, the statewide average land value for cropland in 2021 increased by 13.9% over the 2020 value, reaching an all-time high of

\$2,250 per acre. A similar pattern can be observed in pasture values. The state average of pasture was \$1,500 per acre in 2021; an increase of 9.5% over the 2020 value. Farm profitability is expected to drop from the historically high level it experienced in 2021 due to increasing input costs, which could slow the increases in the land market value in 2022.

For most producers, high volatility in commodity and input prices translates into higher risk exposure from rental rates. During periods of high profitability, such as has been seen in the last two years, rental rates will increase and competition for land can be fierce as producers try to expand their land base to capture more returns. However, a sudden decline in profitability in the sector will not necessarily translate into lower rents in the short run, which becomes a very risky situation for a farmer or rancher.

Rental rates tend to lag behind commodity prices and profitability because land contracts and cash rental rates are often set for 3-5 year periods to allow both producers and landowner to plan for expected costs and returns. As a result, producers can be locked into rents that are not aligned with the current market; either higher or lower. In addition, from a landowner's perspective, higher profitability in agriculture will eventually translate into higher real estate taxes, putting upward pressure on rental rates.

Regardless of the particular situation a producer faces, strong communication with their landowner can be very beneficial to the long-run economic viability of their operation. Tenants who take extra time to work with their landowners, answer questions, and keep them up to date on the farm's situation will find it easier to have those difficult conversations.



Flexible Cash Rents

Principles:

- Flexible cash rents simply refer to land rental arrangements where the amount of cash rent paid (received) can vary based upon some pre-determined formula (i.e. formalizes bonus rents).
- Methods of “flexing” rental rates, i.e., formulas are based on:
 - Yield (actual for producer, co avg., etc.)
 - Price (harvest, season average, actual)
 - Revenue (yield x price, crop insurance, residue)
 - Costs (i.e. fertilizer price)
 - Other

Advantages of Flexible Cash Rents:

- Method of allowing rents to vary year-to-year without having to renegotiate rents annually.
- Way of sharing/managing risks associated with volatile markets (without hassles of crop share lease).
- Somewhat “forces” a higher level of communication relative to fixed cash rent (poor/lack of communication is often an issue with problem lease arrangements.)
- Trend in Kansas has been moving away from crop share leases to more cash leases.
- Volatility of last few years has significantly increased the risk of **fixed** cash rents.

Disadvantages of Flexible Cash Rents:

- Complex!
- Theory and intuition guide conceptual design, but little help with specific details.
- Not needed if cash rents are renegotiated frequently every year.
- Hard to think of everything, which means we might need to be “tweaking” the arrangements regularly.
- If designed wrong, might increase risk.
- Appealing for certain situations, but not appropriate in all cases (depends on why you are considering flexible cash rent).

How to determine Flexible cash rents:

- There is not a single right way to do this! (But there are plenty of wrong ways).
- Establish a base cash rent:
 - Budget-derived value (KSU-Lease.xls) Online KSU spreadsheet (Excel) tailors to a specific situation and an equitable crop share can be calibrated to the local area.
- **Questions to ask:**
 - Does cash rent flex up and down or only up?
 - What yields and prices are used to determine actual gross revenue?
 - What crops should be included in calculations?
 - Are crop insurance and government payments included/accounted for?
 - What about flexing cash rent based on costs of crop inputs?
 - What will final rent be under alternative potential outcomes?

Summary:

- Flexible cash leases are simply a way of sharing risks of unpredictable markets and yields without the hassles of crop ownership.
- Why not simply give landowner ad hoc “bonuses” when times are good?
- There are many types of flex leases – no one method is right or best in all cases.
- Communication, communication, communication! (Remember, it likely is a learning process for both parties.)
- The KSU website www.agmanager.info has more information on **Flexible Cash Rents**.

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