



Saskatchewan Ministry of Agriculture

Land Lease Survey

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Insightrix Research Inc.
1-3223 Millar Ave
Saskatoon, SK S7K 5Y3
P: (306) 657-5640
E: info@insightrix.com
W: insightrix.com

insightrix[®]

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Executive Summary

Study Background

In 2019, the Saskatchewan Ministry of Agriculture (hereinafter referred to as the Ministry) contracted Inshgtrix Research, Inc. (Inshgtrix) to conduct a land lease survey to assist in making estimations of rental rates for agricultural land and pastureland in Saskatchewan. This is the third iteration of the study conducted by Inshgtrix (the first was conducted in 2012, the second in 2016). Surveyed farmers were reached through three different sources: 1) Inshgtrix telephone sample list; 2) Inshgtrix online consumer panel SaskWatch Research[®]; and 3) an open link to the survey made public through Ministry online communication channels. The majority of data collection was completed via telephone.

In total, 1,054 respondents participated in the study. Data were collected between October 15 and December 14, 2019, and the margin of error is equal to ± 3.02 percentage points, 19 times out of 20. A total of 2,407 agreements are reported on, including 1,785 cultivated cash crop agreements, 383 cultivated crop share agreements and 239 pastureland agreements. Rental agreements of federal or provincial Crown land were excluded from the study. Further, all rental rates quoted in this research report exclude rental agreements between immediate family members and those in which property taxes are paid by the renter.

Cultivated Land Rental Agreements

Cash Agreements

Of the 1,054 respondents surveyed, 866 (82%) report having at least one cash agreement. On average, respondents have 2.3 cash agreements, and each cash agreement covers 670 acres. Most cash agreements (70%) are held with a landlord/farmer rather than a financial institution or other agency. The average rental rate in Saskatchewan is \$51.90 per acre, with a median rate of \$50.00.

Crop Share Agreements

In total, 287 respondents (27%) report having at least one crop share agreement. The average number of crop share agreements per respondent is 1.5. The average size of each crop share agreement is 619 acres. Most (57%) crop share agreements are held with a landlord/farmer rather than a financial institution or other agency. The renter's share is an average of 60.6% (median 68%) of production and the landlord's share is an average of 39.4% (median 32%). In roughly two out of ten agreements (22%), crop inputs are shared between the landlord and renter. In these cases, renters pay an average of 58.2% (median 67%) of the inputs and landlords pay an average of 41.8% (median 33%).

Pastureland Rental Agreements

In total, 168 respondents (16%) report having pastureland agreements. This equates to 248 agreements, and an average of 1.5 agreements per respondent. The average size of each pasture agreement is three 3 quarter sections. On average, the pastureland included in these agreements is split between native pasture (63.0%) and seeded perennial pasture (35.3%). The remaining acres (1.6%) are annual cereal pasture. Most pastureland agreements are held with landlords/farmers (68%), and the landlord pays taxes under most agreements (86%).

In a majority of the agreements (83%), the grazing land is used for cow-calf pairs and/or cows without calves. Most of these cows (57%) weigh between 1,200 and 1,400 lbs. and the average grazing period is 4.6 months. The average grazing period for yearlings/grassers is 4.6 months and most commonly, these yearlings/grassers weigh between 600 and 700 lbs (53%).

The average pastureland rental rate in Saskatchewan (cows and yearlings/grassers combined) is \$1.00 per animal per day.

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Study Background and Methodology

Study Background and Objectives

In 2019, the Saskatchewan Ministry of Agriculture (hereinafter referred to as the Ministry) contracted Insightrix Research, Inc. (Insightrix) to conduct a land lease survey to assist in making estimations of rental rates for agricultural land and pastureland in Saskatchewan. The Ministry has completed similar land lease surveys intermittently since 1999. The 2019 study is the third iteration conducted by Insightrix (the first was conducted in 2012, the second in 2016). This report details findings from 2019.

Study Methodology

The following section outlines the approach used for conducting the research study.

Sampling and Data Collection

The respondents of the survey were from three resources: 1) Insightrix telephone sample list; 2) Insightrix online consumer panel SaskWatch Research[®]; and 3) an open link to the survey made public through Ministry online communication channels. A random selection of primary producers in Saskatchewan from the first two sample sources were contacted to participate in the study. Screening questions were included in the questionnaire to ensure those participating have or have had land rental agreements in place during the 2019 crop year. Both renters and landlords are included in the study. In addition, targets were set to achieve information on a mix of rental agreements types including cash crops, crop shares and pasturelands. Rental agreements of federal or provincial Crown land were excluded from the study.

The majority of data collection was completed via telephone. Trained interviewing staff in the Insightrix Research Saskatoon-based Call Centre administered the study. Below is the distribution of the respondents by data collection method.

| Method | Count | % |
|---------------|--------------|----------|
| Phone | 872 | 83% |
| Panel | 158 | 15% |
| Online | 24 | 2% |
| Total | 1,054 | 100% |

Questionnaire Development

A questionnaire was developed in partnership with the Ministry. The questionnaire is largely consistent with previous iterations. During interviews, respondents were asked to provide detailed information on the land rental agreements they have in place. Respondents were queried about a maximum of five rental agreements to prevent respondent fatigue. In cases where producers had more than one type of agreement (i.e. cash crop, crop share, pastureland), a priority sequence was utilized to ensure data were collected from a balanced mix of agreements. The priority sequence was as follows:

- Priority one: At least one agreement for cultivated cash, cultivated crop share and pastureland agreements per respondent (if applicable)
- Priority two: All pastureland agreements
- Priority three: All cultivated cash agreements
- Priority four: All cultivated crop share agreements

For example, if a farmer had two cash agreements, two crop share agreements and two pastureland agreements (i.e. a total of six agreements), they would be asked for details on all but one of the crop share agreements.

Quantitative Data Collection

A total of 1,054 respondents participated in the study from October 15 to December 14, 2019. The margin of error is equal to ± 3.02 percentage points, 19 times out of 20.

Respondents report a total of 2,673 rental agreements in 2019. Based on the priority sequence described earlier, data were collected on 2,407 agreements including 1,785 cultivated cash crop agreements, 383 cultivated crop share agreements and 239 pastureland agreements. The table below details the sample sizes and counts for each type of rental agreement.

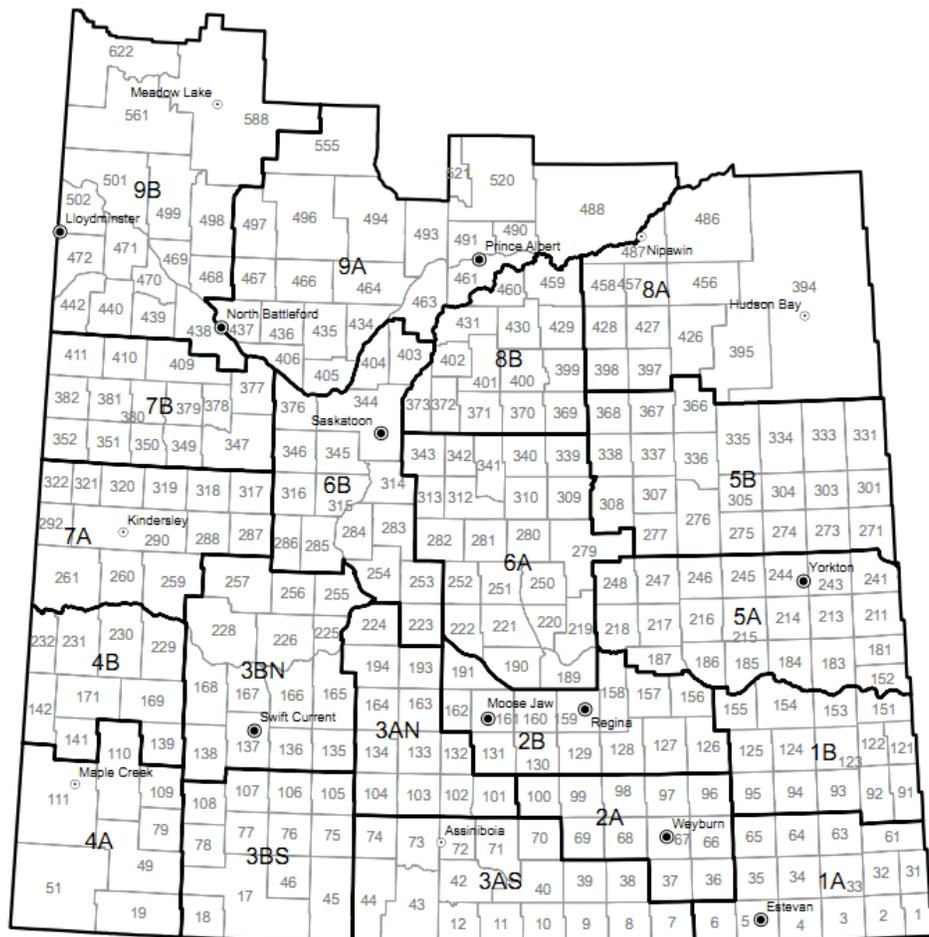
| | Respondents | | Agreements | |
|-------------------------------------|-------------|------|--------------------------|--|
| | Count | % | Total agreements (count) | Agreements with data collected (count) |
| Cultivated cash rental | 866 | 82% | 1,982 | 1,785 |
| Cultivated crop share rental | 287 | 27% | 421 | 383 |
| Pastureland rental | 168 | 16% | 248 | 239 |
| Other | 18 | 2% | 22 | - |
| Total | 1,054 | 100% | 2,673 | 2,407 |

Reporting Notes

- Unless otherwise noted, percentages are rounded to zero decimal places, dollars are rounded down to the nearest penny and means are rounded to one decimal place.
- Due to rounding, percentages may not sum to 100% in some cases. Results for questions with multiple allowed responses will total more than 100%, as respondents are able to choose more than one option.
- In several cases, data are presented with fewer than 30 agreements. Caution is advised in making inferences based on these findings, given the small sample sizes.
- All land measurements are reported in acres. Responses given in sections or quarters have been converted to acres for data analysis.
- All rates quoted in this research report exclude rental agreements between immediate family members and those in which property taxes are paid by the renter.
- In cases where results are presented by rural municipalities (RM) or soil class, tables do not include agreements in which the respondents did not provide the RM or soil class for their land covered under the agreements.
- For the purpose of confidentiality, data have been suppressed where the number of agreements is fewer than three.

- Rural municipalities (RM) have been coded into crop districts based on the following map. In some cases, crop districts have been combined into either three or six regions due to small sample sizes.

| Three regions | South | | Central | | North | |
|----------------------|-----------|-----------|--------------|--------------|-----------|-----------|
| Six regions | Southeast | Southwest | East central | West central | Northeast | Northwest |
| Crop district | 1A | 3AN | 5A | 6B | 8A | 9A |
| | 1B | 3AS | 5B | 7A | 8B | 9B |
| | 2A | 3BN | 6A | 7B | | |
| | 2B | 3BS | | | | |
| | | 4A | | | | |
| | 4B | | | | | |



Saskatchewan Crop District Map

Source: Saskatchewan Ministry of Agriculture http://www.agriculture.gov.sk.ca/Crop_Districts_Map

Study Results

Type and Number of Agreements

The table below represents the number of respondents surveyed for each type of agreement (i.e. cash, crop share and pastureland) as well as the average number of agreements provided by each respondent.

| | Respondents | | Agreements | |
|-------------------------------------|--------------------|------|-----------------------------|---------------------------------|
| | Count | % | Total agreements (count) | Average number of agreements |
| Cultivated cash rental | 866 | 82% | 1,982 | 2.3 |
| Cultivated crop share rental | 287 | 27% | 421 | 1.5 |
| Pastureland rental | 168 | 16% | 248 | 1.5 |
| Other | 18 | 2% | 22 | 1.2 |
| Total | 1,054 | 100% | 2,673 | 2.5 |

Most other types of agreements are for hay, with one for alfalfa.

Number of Agreements by Region

The number of agreements and respondents for each type of agreement are listed by the six regions.

| | Southeast | Southwest | East Central | West Central | Northeast | Northwest | Region not reported | Total |
|--|------------------|------------------|---------------------|---------------------|------------------|------------------|----------------------------|--------------|
| Cultivated cash rental agreements | | | | | | | | |
| Number of agreements | 168 | 228 | 572 | 403 | 327 | 250 | 34 | 1982 |
| Number of respondents | 88 | 113 | 249 | 168 | 132 | 102 | 14 | 866 |
| Average | 1.9 | 2.0 | 2.3 | 2.4 | 2.5 | 2.5 | 2.4 | 2.3 |
| Cultivated crop share rental agreements | | | | | | | | |
| Number of agreements | 22 | 94 | 67 | 98 | 84 | 50 | 6 | 421 |
| Number of respondents | 18 | 68 | 50 | 59 | 50 | 38 | 4 | 287 |
| Average | 1.2 | 1.4 | 1.3 | 1.7 | 1.7 | 1.3 | 1.5 | 1.5 |
| Pastureland rental agreements | | | | | | | | |
| Number of agreements | 46 | 42 | 54 | 39 | 14 | 33 | 20 | 248 |
| Number of respondents | 31 | 28 | 38 | 22 | 10 | 25 | 14 | 168 |
| Average | 1.5 | 1.5 | 1.4 | 1.8 | 1.4 | 1.3 | 1.4 | 1.5 |

Cultivated Cash Rental Agreements

This section provides details for cultivated cash rental agreements (out of 1,982 cultivated cash rental agreements that respondents reported, data were collected for 1,785 agreements).

Size of Agreements

The number of acres included in all cultivated cash rental agreements for which data were collected is described below.

| Minimum | Maximum | Mean | Median | Number of agreements | Total acres | Quarters per agreement* |
|----------------|----------------|-------------|---------------|-----------------------------|--------------------|--------------------------------|
| 1 | 104,000 | 670 | 320 | 1,785 | 1,195,947 | 4 |

Note: This table is for cultivated cash rent only.

*Quarters per agreement = Total acres ÷ Number of agreements ÷ 160

Size of Agreements by Crop District

The following tables detail the size of cultivated cash rental agreements by crop district.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|------------|---------|---------|----------|--------|----------------------|
| | Acre | | | | |
| 1A | 1 | 20,000 | 1,324.50 | 500 | 55 |
| 1B | 50 | 1,120 | 312.1 | 235 | 49 |
| 2A | 80 | 1,600 | 547.1 | 480 | 31 |
| 2B | 110 | 1,280 | 425.8 | 320 | 33 |
| 3AN | 55 | 1,920 | 496.3 | 320 | 39 |
| 3AS | 27 | 4,500 | 669.2 | 505 | 58 |
| 3BN | 30 | 1,760 | 490.7 | 320 | 35 |
| 3BS | 150 | 3,000 | 902.2 | 640 | 25 |
| 4A | 160 | 3,520 | 1,191.00 | 315 | 5 |
| 4B | 80 | 2,880 | 809.2 | 720 | 26 |
| 5A | 60 | 2,000 | 394 | 300 | 150 |
| 5B | 4 | 104,000 | 1,574.40 | 278 | 171 |
| 6A | 35 | 1,920 | 417.7 | 320 | 213 |
| 6B | 1 | 4,000 | 473.9 | 320 | 140 |
| 7A | 110 | 3,200 | 574 | 480 | 105 |
| 7B | 60 | 7,500 | 614.4 | 370 | 91 |
| 8A | 37 | 4,000 | 473.1 | 320 | 148 |
| 8B | 30 | 3,200 | 359.4 | 280 | 141 |
| 9A | 1 | 38,400 | 684.5 | 320 | 154 |
| 9B | 10 | 1,600 | 413.8 | 320 | 86 |

Note: This table is for cultivated cash rent only. Caution should be taken when interpreting data for districts with fewer than 30 agreements.

| Crop district | Minimum | Maximum | Mean | Median | Number of agreements |
|-------------------|---------|---------|--------|--------|----------------------|
| | Acre | | | | |
| District 1 | 1 | 20,000 | 847.5 | 320 | 104 |
| District 2 | 80 | 1,600 | 484.6 | 370 | 64 |
| District 3 | 27 | 4,500 | 623.5 | 424 | 157 |
| District 4 | 80 | 3,520 | 870.8 | 640 | 31 |
| District 5 | 4 | 104,000 | 1022.8 | 300 | 321 |
| District 6 | 1 | 4,000 | 440.0 | 320 | 353 |
| District 7 | 60 | 7,500 | 592.7 | 400 | 196 |
| District 8 | 30 | 4,000 | 417.6 | 320 | 289 |
| District 9 | 1 | 38,400 | 587.5 | 320 | 240 |

Note: This table is for cultivated cash rent only. Caution should be taken when interpreting data for districts with fewer than 30 agreements.

Size of Agreements by Soil Class

A similar analysis is presented for the size of agreements by soil class.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|----------|---------|---------|---------|--------|----------------------|
| | Acre | | | | |
| A | 27 | 20,000 | 2,092.9 | 500 | 27 |
| B | 120 | 4,000 | 668.7 | 320 | 47 |
| C | 135 | 1,600 | 502.1 | 320 | 48 |
| D | 1 | 2,560 | 551.7 | 400 | 41 |
| E | 1 | 1,500 | 461.3 | 320 | 66 |
| F | 60 | 1,760 | 402.3 | 320 | 122 |
| G | 30 | 104,000 | 1,636.6 | 320 | 176 |
| H | 4 | 3,200 | 529.2 | 320 | 159 |
| J | 80 | 1,920 | 471.2 | 320 | 140 |
| K | 60 | 4,500 | 515.6 | 320 | 72 |
| L | 30 | 1,440 | 411.6 | 400 | 37 |
| M | 125 | 3,520 | 744.3 | 480 | 15 |
| O | | | NA | | |
| P | | | NA | | |

Note: This table is for cultivated cash rent only. Caution should be taken when interpreting data for soil classes with fewer than 30 agreements.

NA: No responses were received

Property Owner Identity Breakdown

The following table outlines the number and percentage of cash rental agreements by property owner. Note that rental rates exclude agreements signed with immediate family members.

| | Number of agreements | % |
|--------------------------------|-----------------------------|----------|
| Landlord/farmer | 1,257 | 70% |
| Immediate family member | 353 | 20% |
| Other | 131 | 7% |
| First Nation | 21 | 1% |
| Prefer not to say | 17 | 1% |
| Financial institution | 6 | <1% |
| Total | 1,785 | 100% |

Note: This table is for cultivated cash rent only.

Property Taxpayer

The following table outlines the number of cash rental agreements for which the landlord, the renter, or both pay property taxes. Note that rental rates reported within this section exclude agreements where the renter pays a portion or all the property taxes.

| | Number of agreements | % |
|--------------------------|-----------------------------|----------|
| Landlord | 1,711 | 96% |
| Renter | 50 | 3% |
| Prefer not to say | 14 | 1% |
| Both | 10 | 1% |
| Total | 1,785 | 100% |

Note: This table is for cultivated cash rent only.

Rental Rate per Acre (non-arm's length and property tax agreements excluded)

The following table summarizes the average cultivated cash rental rate per acre. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|----------------|-------------|---------------|-----------------------------|
| \$6.00 | \$175.00 | \$51.90 | \$50.00 | 1,224 |

Note: This table is for cultivated cash rent only.

Rental Rate by Crop District (non-arm's length and property tax agreements excluded)

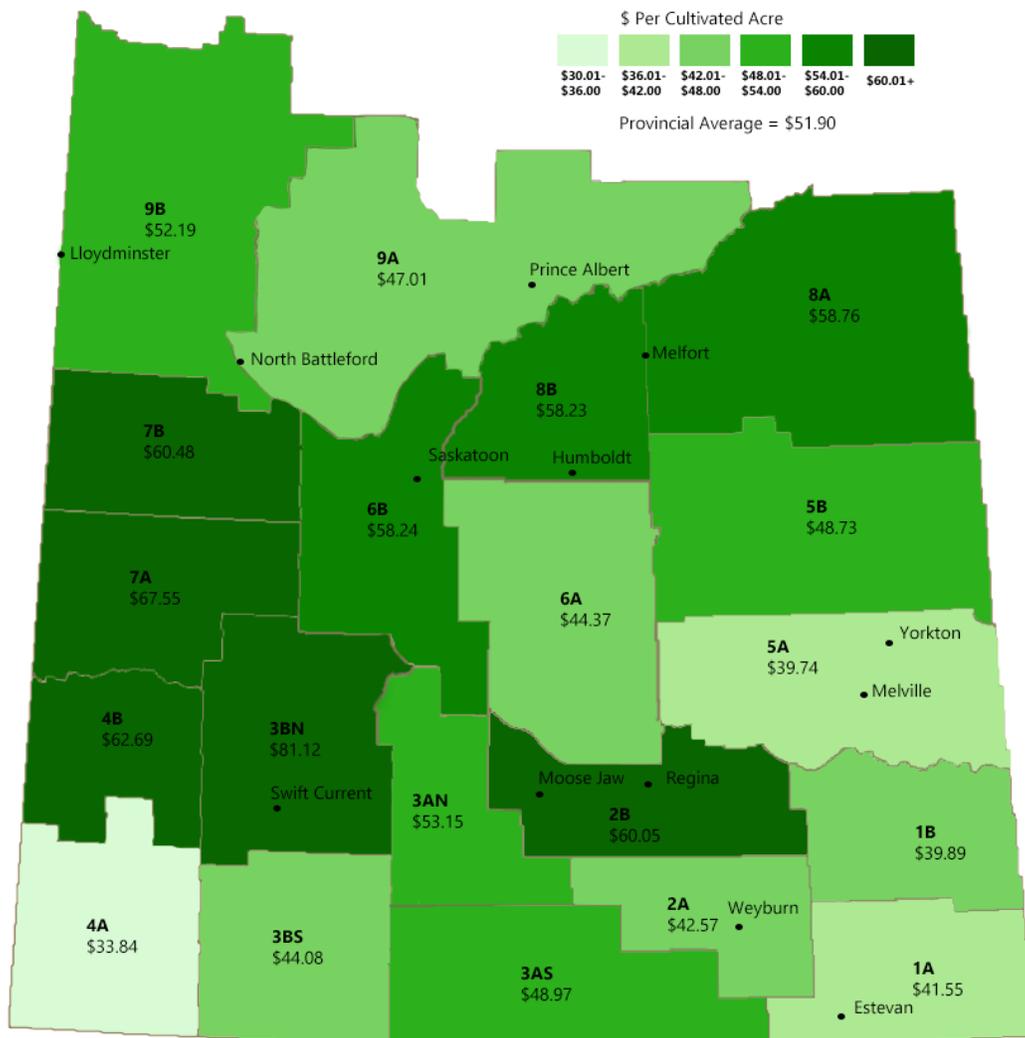
The following tables detail cultivated cash rental rates per acre by crop district. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Rental rate per acre | | | | | |
|-----------------------------|----------------|----------------|-------------|---------------|-----------------------------|
| | Minimum | Maximum | Mean | Median | Number of agreements |
| 1A | \$25.00 | \$175.00 | \$41.55 | \$35.00 | 29 |
| 1B | \$25.00 | \$50.00 | \$39.89 | \$40.00 | 37 |
| 2A | \$28.00 | \$83.00 | \$42.57 | \$35.00 | 23 |
| 2B | \$35.00 | \$150.00 | \$60.05 | \$50.00 | 22 |
| 3AN | \$30.00 | \$80.00 | \$53.15 | \$48.96 | 26 |
| 3AS | \$25.00 | \$79.00 | \$48.97 | \$50.00 | 27 |
| 3BN | \$37.50 | \$110.00 | \$81.12 | \$80.00 | 21 |
| 3BS | \$24.00 | \$65.00 | \$44.08 | \$42.50 | 12 |
| 4A | \$26.00 | \$45.00 | \$33.84 | \$32.19 | 4 |
| 4B | \$35.00 | \$90.00 | \$62.69 | \$62.50 | 17 |
| 5A | \$18.75 | \$70.00 | \$39.74 | \$40.00 | 109 |
| 5B | \$20.00 | \$85.00 | \$48.73 | \$45.00 | 130 |
| 6A | \$6.00 | \$80.00 | \$44.37 | \$42.00 | 148 |
| 6B | \$20.00 | \$150.00 | \$58.24 | \$55.00 | 94 |
| 7A | \$30.00 | \$110.00 | \$67.55 | \$70.00 | 71 |
| 7B | \$30.00 | \$100.00 | \$60.48 | \$60.00 | 66 |
| 8A | \$20.00 | \$123.00 | \$58.76 | \$60.00 | 112 |
| 8B | \$30.00 | \$90.00 | \$58.23 | \$60.00 | 99 |
| 9A | \$10.00 | \$100.00 | \$47.01 | \$45.00 | 111 |
| 9B | \$20.00 | \$100.00 | \$52.19 | \$50.00 | 59 |

Note: This table is for cultivated cash rent only. Caution is advised in interpreting rates within districts that have fewer than 30 rental agreements.

| Rental rate per acre | | | | | |
|----------------------|---------|----------|---------|---------|----------------------|
| | Minimum | Maximum | Mean | Median | Number of agreements |
| District 1 | \$25.00 | \$175.00 | \$40.62 | \$40.00 | 66 |
| District 2 | \$28.00 | \$150.00 | \$51.11 | \$42.00 | 45 |
| District 3 | \$24.00 | \$110.00 | \$57.40 | \$55.00 | 86 |
| District 4 | \$26.00 | \$90.00 | \$57.20 | \$60.00 | 21 |
| District 5 | \$18.75 | \$85.00 | \$44.63 | \$42.00 | 239 |
| District 6 | \$6.00 | \$150.00 | \$49.76 | \$48.38 | 242 |
| District 7 | \$30.00 | \$110.00 | \$64.15 | \$60.00 | 137 |
| District 8 | \$20.00 | \$123.00 | \$58.51 | \$60.00 | 211 |
| District 9 | \$10.00 | \$100.00 | \$48.81 | \$50.00 | 170 |

Note: This table is for cultivated cash rent only.



Rental Rate by Region (non-arm's length and property tax agreements excluded)

The following tables detail cultivated cash rental rates per acre by region. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Rental rate per acre | | | | | |
|-----------------------------|----------------|----------------|-------------|---------------|-----------------------------|
| | Minimum | Maximum | Mean | Median | Number of agreements |
| Southeast | \$25.00 | \$175.00 | \$44.87 | \$40.00 | 111 |
| Southwest | \$24.00 | \$110.00 | \$57.36 | \$55.00 | 107 |
| East Central | \$6.00 | \$85.00 | \$44.53 | \$42.00 | 387 |
| West Central | \$20.00 | \$150.00 | \$61.75 | \$60.00 | 231 |
| Northeast | \$20.00 | \$123.00 | \$58.51 | \$60.00 | 211 |
| Northwest | \$10.00 | \$100.00 | \$48.81 | \$50.00 | 170 |

Note: This table is for cultivated cash rent only.

| Rental rate per acre | | | | | |
|-----------------------------|----------------|----------------|-------------|---------------|-----------------------------|
| | Minimum | Maximum | Mean | Median | Number of agreements |
| South | \$24.00 | \$175.00 | \$51.00 | \$45.00 | 218 |
| Central | \$6.00 | \$150.00 | \$50.96 | \$48.38 | 618 |
| North | \$10.00 | \$123.00 | \$54.18 | \$50.00 | 381 |

Note: This table is for cultivated cash rent only.

Rental Rate by Soil Class (non-arm's length and property tax agreements excluded)

Average cultivated cash rental rate per acre by soil class. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Rental rate per acre | | | | | |
|-----------------------------|----------------|----------------|-------------|---------------|-----------------------------|
| Soil class | Minimum | Maximum | Mean | Median | Number of agreements |
| A | \$30.00 | \$100.00 | \$57.21 | \$55.00 | 16 |
| B | \$30.00 | \$175.00 | \$67.71 | \$70.00 | 35 |
| C | \$25.00 | \$100.00 | \$62.64 | \$60.00 | 39 |
| D | \$34.38 | \$150.00 | \$69.62 | \$60.00 | 25 |
| E | \$30.00 | \$100.00 | \$60.85 | \$60.00 | 46 |
| F | \$35.00 | \$100.00 | \$60.38 | \$58.00 | 97 |
| G | \$20.00 | \$110.00 | \$54.14 | \$50.00 | 119 |
| H | \$6.00 | \$102.00 | \$46.32 | \$45.00 | 111 |
| J | \$20.00 | \$90.00 | \$46.28 | \$45.00 | 97 |
| K | \$25.00 | \$60.00 | \$39.42 | \$40.00 | 43 |
| L | \$20.00 | \$90.00 | \$41.94 | \$36.50 | 28 |
| M | \$20.00 | \$81.00 | \$41.23 | \$40.00 | 11 |
| O | | | | NA | |
| P | | | | NA | |

Note: This table is for cultivated cash rent only. Caution is advised in interpreting rates within soil classes that have fewer than 30 rental agreements.

NA: No responses were received.

Rental Rate by Soil Class and Region (non-arm's length and property tax agreements excluded)

Cultivated cash rental rates per acre by region and soil class. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Region \ Soil class | | Rental Rate per Acre | | | | | |
|---------------------|----------------------|----------------------|----------|----------|----------|---------|---------|
| | | A to D | E to F | G | H | J to K | L to P |
| South | Minimum | \$34.38 | \$47.00 | \$30.00 | \$25.00 | \$24.00 | \$30.00 |
| | Maximum | \$175.00 | \$87.50 | \$90.00 | \$102.00 | \$90.00 | \$62.50 |
| | Mean | \$75.04 | \$68.89 | \$51.34 | \$47.21 | \$41.76 | \$40.50 |
| | Median | \$77.50 | \$67.50 | \$50.00 | \$40.00 | \$40.00 | \$35.00 |
| | Number of agreements | 24 | 14 | 32 | 19 | 36 | 5 |
| Central | Minimum | \$25.00 | \$35.00 | \$20.00 | \$6.00 | \$20.00 | \$20.00 |
| | Maximum | \$150.00 | \$100.00 | \$110.00 | \$80.00 | \$80.00 | \$90.00 |
| | Mean | \$61.71 | \$61.29 | \$56.00 | \$45.92 | \$44.31 | \$42.53 |
| | Median | \$55.00 | \$56.50 | \$50.00 | \$45.00 | \$45.00 | \$40.00 |
| | Number of agreements | 45 | 78 | 66 | 78 | 79 | 25 |
| North | Minimum | \$30.00 | \$30.00 | \$30.00 | \$20.00 | \$20.00 | \$20.00 |
| | Maximum | \$123.00 | \$85.00 | \$80.00 | \$80.00 | \$90.00 | \$70.00 |
| | Mean | \$62.84 | \$57.25 | \$52.52 | \$47.36 | \$47.20 | \$40.25 |
| | Median | \$62.50 | \$60.00 | \$45.00 | \$50.00 | \$50.00 | \$40.00 |
| | Number of agreements | 46 | 50 | 21 | 14 | 25 | 9 |

Note: This table is for cultivated cash rent only. Caution is advised in interpreting rates within regions/soil classes that have fewer than 30 rental agreements.

Cultivated Crop Share Rental Agreement

This section provides details for cultivated crop share agreements (out of 421 cultivated crop share agreements that respondents reported, data were collected for 383 agreements).

Size of Agreements

The size cultivated crop share agreements (in acres) for which data were collected is described below.

| Minimum | Maximum | Mean | Median | Number of agreements | Total acres | Quarters per agreement* |
|----------------|----------------|-------------|---------------|-----------------------------|--------------------|--------------------------------|
| 1 | 48,000 | 618.9 | 320 | 383 | 237,037 | 4 |

Note: This table is for cultivated crop share rent only.

*Quarters per agreement = Total acres ÷ Number of agreements ÷ 160

Size of Agreements by Crop District

The table below provides the size of cultivated crop share agreements by crop district.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|------------|---------|---------|--------|--------|----------------------|
| | Acre | | | | |
| 1A | 320 | 800 | 512.0 | 480 | 5 |
| 1B | 110 | 960 | 420.0 | 260 | 6 |
| 2A | 287 | 640 | 465.4 | 480 | 5 |
| 2B | 100 | 640 | 355.8 | 378 | 6 |
| 3AN | 320 | 1,000 | 433.3 | 320 | 6 |
| 3AS | 38 | 1,120 | 490.7 | 480 | 11 |
| 3BN | 130 | 2,720 | 687.8 | 480 | 16 |
| 3BS | 90 | 1,280 | 525.6 | 480 | 17 |
| 4A | 160 | 2,240 | 894.1 | 700 | 17 |
| 4B | 80 | 4,480 | 826.2 | 480 | 25 |
| 5A | 100 | 48,000 | 2801.1 | 320 | 19 |
| 5B | 140 | 800 | 341.1 | 280 | 14 |
| 6A | 60 | 1,920 | 439.3 | 320 | 30 |
| 6B | 1 | 1,120 | 316.5 | 160 | 39 |
| 7A | 160 | 2,400 | 608.3 | 320 | 19 |
| 7B | 100 | 1,920 | 621.6 | 345 | 24 |
| 8A | 1 | 1,600 | 338.0 | 160 | 32 |
| 8B | 30 | 1,280 | 366.4 | 180 | 42 |
| 9A | 65 | 1,600 | 301.6 | 185 | 26 |
| 9B | 80 | 4,000 | 849.6 | 320 | 19 |

Note: This table is for cultivated crop share rent only. Caution is advised in interpreting rates within districts that have fewer than 30 rental agreements.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|-------------------|---------|---------|--------|--------|----------------------|
| | Acre | | | | |
| District 1 | 110 | 960 | 461.8 | 320 | 11 |
| District 2 | 100 | 640 | 405.6 | 480 | 11 |
| District 3 | 38 | 2,720 | 558.8 | 440 | 50 |
| District 4 | 80 | 4,480 | 853.7 | 480 | 42 |
| District 5 | 100 | 48,000 | 1757.4 | 320 | 33 |
| District 6 | 1 | 1,920 | 369.9 | 175 | 69 |
| District 7 | 100 | 2,400 | 615.7 | 320 | 43 |
| District 8 | 1 | 1,600 | 354.1 | 160 | 74 |
| District 9 | 65 | 4,000 | 533.0 | 320 | 45 |

Note: This table is for cultivated crop share rent only.

Size of Agreements by Soil Class

A similar analysis is presented for size of agreements by soil class.

| Soil class | Minimum | Maximum | Mean | Median | Number of agreements |
|------------|---------|---------|--------|--------|----------------------|
| | Acre | | | | |
| A | 38 | 1,000 | 383.4 | 240 | 9 |
| B | 140 | 1,280 | 560.6 | 370 | 17 |
| C | 155 | 1,500 | 614.8 | 480 | 11 |
| D | 1 | 1,280 | 377.4 | 295 | 17 |
| E | 1 | 800 | 350.1 | 275 | 10 |
| F | 80 | 1,600 | 544.3 | 345 | 14 |
| G | 110 | 48,000 | 1595.9 | 320 | 42 |
| H | 75 | 2,400 | 650.8 | 400 | 26 |
| J | 36 | 1,760 | 372.8 | 320 | 28 |
| K | 220 | 1,920 | 700.6 | 600 | 18 |
| L | 100 | 1,120 | 395.0 | 250 | 10 |
| M | 80 | 800 | 288.0 | 160 | 5 |
| O | | | X | | |
| P | | | X | | |

Note: This table is for cultivated crop share rent only. Caution should be taken as most soil classes have fewer than 30 agreements.

X: Data have been suppressed to meet confidentiality requirement.

Property Owner Identity Breakdown

The following table outlines the number and percentage of cultivated crop share agreements by property owner. Note that share percentages exclude agreements signed with immediate family members.

| | Number of agreements | % |
|--------------------------------|-----------------------------|----------|
| Landlord/farmer | 218 | 57% |
| Immediate family member | 132 | 34% |
| Other | 29 | 8% |
| Financial institution | 2 | 1% |
| Prefer not to say | 2 | 1% |
| Total | 383 | 100% |

Note: This table is for cultivated crop share rent only.

Share Percentage (non-arm's length agreements excluded)

The following table outlines the mean and median share percentages from both a renter's and a landlord's perspective. Note that these figures exclude agreements between immediate family members.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|-----------------|----------------|----------------|-------------|---------------|-----------------------------|
| Renter | 14% | 85% | 60.6% | 68% | 210 |
| Landlord | 15% | 86% | 39.4% | 32% | |

Note: This table is for cultivated crop share rent only.

Cost-Shared Crop Inputs

The table below outlines the number of cultivated crop share agreements in which crop inputs are either shared or not shared between the landlord and the renter.

| | Number of agreements | % |
|--------------------------------|-----------------------------|----------|
| Not sharing crop inputs | 295 | 77% |
| Sharing crop inputs | 86 | 22% |
| Don't know | 2 | 1% |
| Total | 383 | 100% |

Note: This table is for cultivated crop share rent only.

Rate of Sharing Crop Inputs (non-arm's length agreement excluded)

The table below summarizes the rates at which crop inputs are shared by the landlord and renter. Note that these figures exclude agreements between immediate family members.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|-----------------|----------------|----------------|-------------|---------------|-----------------------------|
| Renter | 7% | 94% | 58.2% | 67% | 49 |
| Landlord | 6% | 93% | 41.8% | 33% | |

Note: This table is for cultivated crop share rent only.

Types of Crop Inputs Shared

The following table summarizes the types of crop inputs being shared between the landlord and the renter.

| | Number of agreements | % |
|----------------------|-----------------------------|----------|
| Herbicide | 74 | 86% |
| Fertilizer | 73 | 85% |
| Seed | 67 | 78% |
| Insecticide | 63 | 73% |
| Fuel | 56 | 65% |
| Fungicide | 55 | 64% |
| Anything else | 13 | 15% |
| Total | 86 | |

Note: This table is for cultivated crop share rent only.

Anything else:

| |
|-------------------------------|
| Combining and seeding |
| Custom spraying (2 responses) |
| Equipment |
| Inoculant (6 responses) |
| Machinery costs/repairs |
| Machinery depreciation |
| Machinery |

Pastureland Rental Agreement

This section provides details for pastureland rental agreements (out of 248 pastureland agreements that respondents reported, data were collected for 239 agreements).

Size of Agreements

The table below details the size (in acres) of pastureland rental agreements.

| Minimum | Maximum | Mean | Median | Number of agreements | Total acres | Quarters per agreement* |
|----------------|----------------|-------------|---------------|-----------------------------|--------------------|--------------------------------|
| 20 | 4,200 | 445.9 | 320 | 239 | 106,580 | 3 |

Note: This table is for pastureland rent only.

*Quarters per agreement = Total acres ÷ Number of agreements ÷ 160

Size of Agreements by Crop District

The table below summarizes the sizes of pastureland rental agreements by crop district.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|------------|---------|---------|-------|--------|----------------------|
| | Acre | | | | |
| 1A | 25 | 2,880 | 514.9 | 240 | 20 |
| 1B | 60 | 800 | 289.0 | 320 | 21 |
| 2A | | | X | | |
| 2B | 100 | 400 | 188.0 | 160 | 5 |
| 3AN | 160 | 1,800 | 556.9 | 320 | 13 |
| 3AS | 100 | 1,000 | 450 | 320 | 6 |
| 3BN | 160 | 4,200 | 940 | 460 | 8 |
| 3BS | 40 | 480 | 213.3 | 180 | 6 |
| 4A | 85 | 800 | 453.1 | 480 | 8 |
| 4B | | | NA | | |
| 5A | 100 | 2,240 | 385 | 250 | 20 |
| 5B | 125 | 2,560 | 513.7 | 320 | 15 |
| 6A | 45 | 1,000 | 356.6 | 290 | 22 |
| 6B | 80 | 1,600 | 285.9 | 160 | 17 |
| 7A | 480 | 1,440 | 853.3 | 800 | 6 |
| 7B | 160 | 1,280 | 526.4 | 320 | 14 |
| 8A | 20 | 960 | 395.0 | 350 | 6 |
| 8B | 28 | 620 | 254.0 | 200 | 7 |
| 9A | 50 | 1,120 | 337.5 | 200 | 12 |
| 9B | 90 | 1,920 | 537.5 | 400 | 20 |

Note: This table is for pastureland rent only. Given that all crop districts have fewer than 30 agreements, data should be interpreted with caution.

X: Data have been suppressed to meet confidentiality requirement.

NA: No responses were received.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|-------------------|---------|---------|-------|--------|----------------------|
| | Acre | | | | |
| District 1 | 25 | 2,880 | 399.2 | 320 | 41 |
| District 2 | 100 | 640 | 248.6 | 160 | 7 |
| District 3 | 40 | 4,200 | 567.9 | 320 | 33 |
| District 4 | 85 | 800 | 453.1 | 480 | 8 |
| District 5 | 100 | 2,560 | 440.1 | 260 | 35 |
| District 6 | 45 | 1,600 | 325.8 | 160 | 39 |
| District 7 | 160 | 1,440 | 624.5 | 560 | 20 |
| District 8 | 20 | 960 | 319.1 | 200 | 13 |
| District 9 | 50 | 1,920 | 462.5 | 280 | 32 |

Note: This table is for pastureland rent only.

Size of Agreements by Region

The following data summarizes the size of pastureland rental agreements (in acres) by region.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|---------------------|---------|---------|-------|--------|----------------------|
| | Acre | | | | |
| Southeast | 25 | 2,880 | 377.2 | 280 | 48 |
| Southwest | 40 | 4,200 | 545.5 | 320 | 41 |
| East Central | 45 | 2,560 | 407.9 | 280 | 57 |
| West Central | 80 | 1,600 | 468.9 | 300 | 37 |
| Northeast | 20 | 960 | 319.1 | 200 | 13 |
| Northwest | 50 | 1,920 | 462.5 | 280 | 32 |

Note: This table is for pastureland rent only.

| Region | Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|---------|---------|-------|--------|----------------------|
| | Acre | | | | |
| South | 25 | 4,200 | 454.7 | 320 | 89 |
| Central | 45 | 2,560 | 431.9 | 290 | 94 |
| North | 20 | 1,920 | 421.1 | 220 | 45 |

Note: This table is for pastureland rent only.

Property Owner Identity Breakdown

The following table outlines the number and percentage of pastureland rental agreements by property owner. Note that rental rates exclude agreements signed with immediate family members.

| | Number of agreements | % |
|--------------------------------|-----------------------------|----------|
| Landlord/farmer | 162 | 68% |
| Immediate family member | 25 | 10% |
| First Nation | 7 | 3% |
| Financial institution | 1 | <1% |
| Other | 36 | 15% |
| Prefer not to say | 8 | 3% |
| Total | 239 | 100% |

Note: This table is for pastureland rent only.

Type of Pastureland

The following table summarizes the types of pastureland rental agreements held.

| | Minimum | Maximum | Mean | Median | Number of agreements |
|--|----------------|----------------|-------------|---------------|-----------------------------|
| Native pasture | 0% | 100% | 63.0% | 84% | 218 |
| Seeded perennial (improved) pasture | 0% | 100% | 35.3% | 13% | |
| Annual cereal pasture | 0% | 75% | 1.6% | 0% | |

Note: This table is for pastureland rent only.

Property Taxpayer

The table below summarizes the number of pastureland rental agreements for which the landlord, the renter, or both pay property taxes.

| | Number of agreements | % |
|--------------------------|-----------------------------|----------|
| Landlord | 206 | 86% |
| Renter | 23 | 10% |
| Prefer not to say | 5 | 2% |
| Both | 5 | 2% |
| Total | 239 | 100% |

Note: This table is for pastureland rent only.

Share of Responsibilities

The table below details the share of responsibilities between the landlord and renter under each pastureland rental agreement.

| | | Landlord | Renter | Both | Not applicable | Total |
|----------------------------|----------------------|-----------------|---------------|-------------|-----------------------|--------------|
| Fence | Number of agreements | 47 | 138 | 54 | 0 | |
| | % | 20% | 58% | 23% | 0% | |
| Water source | Number of agreements | 77 | 98 | 21 | 43 | |
| | % | 32% | 41% | 9% | 18% | |
| Handling facilities | Number of agreements | 38 | 140 | 16 | 45 | 239 |
| | % | 16% | 59% | 7% | 19% | 100% |
| Care of animals | Number of agreements | 12 | 212 | 15 | 0 | |
| | % | 5% | 89% | 6% | 0% | |
| Maintenance | Number of agreements | 24 | 173 | 42 | 0 | |
| | % | 10% | 72% | 18% | 0% | |

Note: This table is for pastureland rent only.

Use of Grazing Land

The following table summarizes the usage of grazing land covered under pastureland agreements.

| | Number of agreements | % |
|---|-----------------------------|----------|
| Cow-calf pairs and/or cows without calves | 199 | 83% |
| Yearlings/grassers | 14 | 6% |
| Combination/other (bison, horses, sheep, etc.) | 8 | 3% |
| Not sure | 18 | 8% |
| Total | 239 | 100% |

Note: This table is for pastureland rent only.

Cow-Calf Pairs and/or Cows without Calves

The tables below describe details of pastureland agreements with cow-calf pairs and/or cows without calves.

Numbers of Cows

| Minimum | Maximum | Mean | Median | Number of agreements | Sum of cows |
|----------------|----------------|-------------|---------------|-----------------------------|--------------------|
| 1 | 400 | 56.3 | 40 | 199 | 11,201 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cow-calf pairs or cows without calves.

Incidence of Calves

| | Number of agreements | % |
|---------------------------|-----------------------------|----------|
| Have calves | 189 | 95% |
| Do not have calves | 10 | 5% |
| Total | 199 | 100% |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cow-calf pairs or cows without calves.

Months Grazing the Pasture

| Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|----------------|-------------|---------------|-----------------------------|
| 1 | 10 | 4.6 | 5 | 199 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cow-calf pairs or cows without calves.

Weight of Cows

| | Number of cows | % |
|-------------------------------------|-----------------------|----------|
| Less than 1,000 lbs. | 431 | 4% |
| Between 1,000 and 1,200 lbs. | 1,566 | 14% |
| Between 1,200 and 1,400 lbs. | 6,345 | 57% |
| Greater than 1,400 lbs. | 1,365 | 12% |
| Don't Know | 1,468 | 13% |
| Prefer not to say | 26 | <1% |
| Total | 11,201 | 100% |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cow-calf pairs or cows without calves.

Animal Unit Month (per acre)

| Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|----------------|-------------|---------------|-----------------------------|
| 0.1 | 1.5 | 0.5 | 0.2 | 30 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cow-calf pairs or cows without calves.

Per Unit Cost (non-arm's length and property tax agreements excluded)

This table summarizes the cost per animal per day for pastureland agreements with cow-calf pairs or cows without calves. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|----------------|-------------|---------------|-----------------------------|
| \$0.28 | \$2.50 | \$1.00 | \$1.00 | 56 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cow-calf pairs or cows without calves.

Yearlings/Grassers

The tables below describe details of pastureland agreements with yearlings/grassers.

Number of Yearlings/Grassers

| Minimum | Maximum | Mean | Median | Number of agreements | Sum of yearlings/grassers |
|----------------|----------------|-------------|---------------|-----------------------------|----------------------------------|
| 1 | 270 | 63.2 | 23 | 14 | 885 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by yearlings/grassers.

Months Grazing in the Pasture

| Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|----------------|-------------|---------------|-----------------------------|
| 1 | 7 | 4.6 | 5 | 14 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by yearlings/grassers.

Weight of the Yearlings/Grassers

| | Number of yearlings/grassers | % |
|---------------------------------|-------------------------------------|----------|
| Under 600 lbs. | 240 | 27% |
| Between 600 and 700 lbs. | 470 | 53% |
| Between 700 and 800 lbs. | 34 | 4% |
| Over 800 lbs. | 120 | 14% |
| Don't Know | 20 | 2% |
| Prefer not to say | 1 | 0% |
| Total | 885 | 100% |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by yearlings/grassers.

Animal Unit Month (per acre)

| Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|----------------|-------------|---------------|-----------------------------|
| 0.11 | 0.17 | 0.15 | 0.16 | 4 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by yearlings/grassers.

Per Unit Cost (non-arm's length and property tax agreements excluded)

This table summarizes the cost per animal per day for pastureland agreements with yearlings/grassers. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|----------------|-------------|---------------|-----------------------------|
| \$0.35 | \$0.83 | \$0.70 | \$0.70 | 5 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by yearlings/grassers.

Total Per Unit Cost – Cows and Yearlings/Grassers Combined (non-arm's length and property tax agreements excluded)

This table summarizes the cost per animal per day for pastureland agreements with cow-calf pairs, cows without calves and yearlings/grassers. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Minimum | Maximum | Mean | Median | Number of agreements |
|---------|---------|--------|--------|----------------------|
| \$0.28 | \$2.50 | \$1.00 | \$1.00 | 61 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cows or yearlings/grassers.

Per Unit Cost by Region (non-arm's length and property tax agreements excluded)

The following tables detail the cost per animal per day for pastureland agreements with cow-calf pairs or cows without calves and yearlings/grassers. Note that these figures exclude agreements between immediate family members and agreements under which taxes are paid by the renter.

| Region | Minimum | Maximum | Mean | Median | Number of agreements |
|---------------------|---------|---------|--------|--------|----------------------|
| Southeast | \$0.46 | \$2.50 | \$1.14 | \$1.05 | 9 |
| Southwest | \$0.41 | \$1.88 | \$1.14 | \$1.10 | 9 |
| East Central | \$0.28 | \$2.00 | \$0.88 | \$0.98 | 21 |
| West Central | \$0.50 | \$1.20 | \$0.89 | \$0.85 | 11 |
| Northeast | \$0.67 | \$1.00 | \$0.79 | \$0.70 | 3 |
| Northwest | \$0.50 | \$1.20 | \$0.92 | \$0.92 | 6 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cows or yearlings/grassers.

| Region | Minimum | Maximum | Mean | Median | Number of agreements |
|----------------|---------|---------|--------|--------|----------------------|
| South | \$0.41 | \$2.50 | \$1.14 | \$1.08 | 18 |
| Central | \$0.28 | \$2.00 | \$0.88 | \$0.94 | 32 |
| North | \$0.50 | \$1.20 | \$0.87 | \$0.83 | 9 |

Note: This table is for pastureland rent only and only contains agreements where land is grazed by cows or yearlings/grassers.

Appendix

A. Details on the combination and other use of pastureland

Q33. Please provide further details on the combination you have in place.

A combination of multi species

Buffalo

Bulls are grazing it. There will be cow-calf pairs soon

Combination of crops and animals

Cow calf pairs, dry or open cows, yearling bred heifers

Cow calf pairs, grasses, bulls

Pigs

There were 10 replacement heifers, a couple of bulls, and about 46 cow/calf pairs