| Variable | AB, N = 177 | AB | MB, N = 102 | Mn | SK, N = 178 | SK |
| --- | --- | --- | --- | --- | --- | --- |
| Land type conversion (past 5 years) |  |  |  |  |  |  |
| Converted bush (yes =1) | 36 (20%) |  | 32 (31%) |  | 56 (31%) |  |
| Converted wetland (yes =1) | 21 (12%) |  | 17 (17%) |  | 45 (25%) |  |
| Converted native grassland ((yes =1) | 16 (9.0%) |  | 17 (17%) |  | 24 (13%) |  |
| Precision agriculture |  |  |  |  |  |  |
| Auto guidance | 157 (89%) | 10,462 (15%) | 95 (93%) | 5,192 (17%) | 157 (88%) | 14,343 (19%) |
| GPS | 55 (31%) | 13,684 (19%) | 50 (49%) | 6,204 (21%) | 50 (28%) | 17,475 (24%) |
| Variable rate application | 45 (25%) |  | 30 (29%) |  | 63 (35%) |  |
| Drones | 29 (16%) |  | 21 (21%) |  | 17 (9.6%) |  |
| Soil test | 126 (71%) | 2,589 (4%) | 79 (77%) | 1,482 (5%) | 118 (66%) | 3,097 (4%) |
| Slow-release fertilizer | 63 (36%) |  | 43 (42%) |  | 68 (38%) |  |
| Land purchase decisions |  |  |  |  |  |  |
| rentland\_next5yrs | 27 (15%) |  | 7 (6.9%) |  | 14 (7.9%) |  |
| buyland\_next5yrs | 26 (15%) |  | 22 (22%) |  | 28 (16%) |  |
| bothrentbuy\_next5yrs | 73 (41%) |  | 46 (45%) |  | 68 (38%) |  |
| notrentbuy\_next5yrs | 51 (29%) |  | 27 (26%) |  | 68 (38%) |  |
| Land use in 2019 |  |  |  |  |  |  |
| Zero tillage | 139 (79%) |  | 54 (53%) |  | 160 (90%) |  |
| Continuous cropping | 159 (90%) |  | 85 (83%) |  | 162 (91%) |  |
| Plow green crops | 13 (7.3%) |  | 3 (2.9%) |  | 2 (1.1%) |  |
| Winter crops | 27 (15%) |  | 26 (25%) |  | 15 (8.4%) |  |
| Rotational grazing | 58 (33%) |  | 19 (19%) |  | 32 (18%) |  |
| Infield winter grazing | 51 (29%) |  | 12 (12%) |  | 23 (13%) |  |
| Shelter belts | 111 (63%) |  | 66 (65%) |  | 90 (51%) |  |

| Variable | AB, N = 177 |  | MB, N = 102 |  | SK, N = 178 |  |
| --- | --- | --- | --- | --- | --- | --- |
| Percentage of Acreage owned | 4.6E5 (45%) | 29.3E6 (58%) | 2.9E5 (69%) | 11.6E6 (65%) | 7.1E5 (70%) | 37.9E6 (62%) |
| Percentage of Acreage rented | 2.8E5 (28%) | 12E6 (24%) | 1.2E5 (28%) | 5E6 (28%) | 2.7E5 (27%) | 17E6 (28%) |
|  | Mean (SD) |  | Mean (SD) |  | Mean (SD) |  |
| Acres Cropland owned | 3,331 (9,959) |  | 2,674 (3,199) |  | 3,386 (5,495) |  |
| Acres Hay land owned | 133 (358) |  | 67 (191) |  | 122 (438) |  |
| Acres Pastureland owned | 450 (1,680) |  | 79 (221) |  | 480 (2,823) |  |
| Acreage Under Crops |  |  |  |  |  |  |
| Canola | 33 (21) | 6.2E6 (13.5%) | 34 (15) | 3.2E6 (15.0%) | 35 (17) | 11.1E6 (15.0%) |
| Barley | 19 (20) | 3.4E6 (0.5%) | 5 (8) | 4.2E5 (2.3%) | 10 (15) | 2.5E6 (1.2%) |
| Rye | 0 (2) |  | 1 (3) |  | 1 (8) |  |
| Spring wheat | 32 (21) | 5.7E6 (12.5%) | 30 (15) | 2.8E6(13.3%) | 28 (20) | 6.7E6(9.1%) |
| Beans | 0 (2) | 1.1E5 (0.2%) | 2 (6) | 1.4E5 (0.7%) | 0 (3) | 7.4E4 (0.1%) |
| Peas | 5 (8) | 2.7E6 (6.0%) | 2 (5) | 2.3E5 (1.1%) | 6 (8) | 3.2E6 (4.3%) |
| Flaxseed | 0 (2) |  | 0 (2) |  | 2 (5) |  |
| Lentil | 1 (5) | 4.6E5 (1.0%) | 0 (0) | 1.4E4 (0.1%) | 7 (12) | 5.1E6 (7.0%) |
| Soybeans | 0 (0) |  | 12 (13) |  | 0 (3) |  |
| Corn | 1 (4) | 2.4E5 (7.5%) | 5 (10) | 4.9E5 (2.0%) | 1 (4) | 1.2E5 (3.4%) |
| Oats | 5 (18) | 8.2E5 (1.8%) | 7 (13) | 4.4E5 (2.1%) | 4 (11) | 1.5E6 (2.0%) |