|  |  |  |  |
| --- | --- | --- | --- |
| A picture containing font, screenshot, text, symbol  Description automatically generatedAerial view of harvester    **Summer 2023** | | |  |
| Thank you! | | |  |
|  | | |  |
| The first season of collecting GPS-referenced yield data is complete. PPSN would like to thank all the growers who agreed to participate in our first year of data collection.  The data collected includes:   * 60 farms representing 670,000 acres in SK and AB. * Farms ranging in size from 900 to 45,000 acres. * Data sets ranging from 1 to 15 years.   Our team is working hard at analyzing the data and comparing it to satellite imagery to build a yield prediction model. This tool will be used to identify marginal areas within fields for farmers.  A picture containing text, map  Description automatically generatedData collection will resume this fall. | **WE ARE LOOKING FOR MORE**  PARTICIPANTS!  Contact Andrea @ 306-381-6732  [andrea.astleford@usask.ca](mailto:andrea.astleford@usask.ca)  OR  Visit [http://www.prairiepsn.ca](http://www.prairiepsn.ca/)  The raw data is cleaned to account for very high or very low yield points that are due to a combine starting, stopping, turning around, or being relatively slow or fast.  Input cost and crop price data\* are then applied to the yield data to create a profitability map. This is done for individual years, and these are combined to see profitability over different crops, years, and growing conditions.  Our goal is to help growers make more informed agronomic decisions by helping you see trends in profit across multiple years.  \*Profitability calculated using provincial grain market averages and variable costs.  **The Process** |  | |
|  | * Profit calculated using provincial grain market averages and variable costs |  |  |

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| Grower Edition: Summer 2023 Update | | | |
| Thank you, Clinton, for your contribution. This page has been prepared exclusively for you and has not been shared publicly.  You supplied the project with:   * 46 field years of data * 7 different crop types * 3 years of data   Quick Facts about your data   * In 2022 less than 1% of total acres were marginal (less than $0 profit/acre)   FIGUREHERE  Thank you again for your support. We look forward to connecting with you when data collection resumes in the fall. Have a great summer! | |  | **Average yield in bu/ac for each crop.**  TABLEHERE  **Do these numbers look accurate, is there a discrepancy? Let us know.** |
|  |  |  |  |

| Year | Canola | Barley | Spring Wheat | Oats | Peas | Rye |
| --- | --- | --- | --- | --- | --- | --- |
| 2022 | 50 | 81 | 72 | 98 | - | 91 |
| 2021 | 23 | 42 | 39 | - | 32 | 53 |
| 2020 | 46 | 70 | 62 | 114 | 56 | - |

