## 2009 WISCONSIN CORN "PEPS" PROGRAM

## Profits through Efficient Production Systems



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Monsanto DeKalb Hybrids
Syngenta NK Brand Seed


## PEPS Program

# Profits through Efficient Production Systems 

## 2009 PEPS Executive Summary

This year marks the $23^{\text {rd }}$ year of the Wisconsin PEPS program. The objectives of the program are:

1. To recognize the practices utilized by the most profitable growers and to provide other growers, educators, and researchers insight into ways these producers integrate practices into a system, and
2. To emphasize soil and water conservation, efficiency, profitability and competitiveness vs. productivity alone.

The PEPS program goes beyond typical yield contests by encouraging efficiency and profitability rather than productivity alone. In 2009, a new award called the "Green Fields - Blue Waters" Award, was given to the grower best representing the use of sustainable production practices involving scouting, field management, pest management, and soil and water quality management. The award is determined by a committee of Wisconsin Corn Grower Association Board of Directors

During the first 10 years of the program (1987 to 1996), contestants were ranked on lowest cost per bushel. From 1997 to 2008, contestants were ranked on the greatest return to management to better account for trade-offs between yield and production costs. In 2000, participants received both a summary of their management costs and a history report detailing costs in various categories over time to assist in "fine-tuning" their management. Beginning in 2009, we again rank contestants on lowest cost per bushel.

During 2009, 16 contestants entered 23 corn fields. The average yield in the cash corn and dairy/ livestock corn divisions was 214 and 194 bushels per acre with production costs of $\$ 531$ and $\$ 428$ per acre. The average cost per bushel was $\$ 2.51$ and $\$ 2.19$. Using PEPS production costs for an acre and the WI USDA average of 153 bushels per acre, the average cost per bushel was $\$ 3.47$. It cost $\$ 734$ per acre to grow corn silage with an average cost per ton of dry matter of $\$ 81.95$ ( $\$ 28.68$ at $65 \%$ moisture).

These costs include actual figures provided by contestants. These costs do not include all costs of production. For example, overhead or miscellaneous costs associated with operating a farm (i.e. field tiling, outfitting a shop, plowing snow, maintaining fences, taxes, desktop work related to management, etc.), are difficult to determine among farms, and is not accounted for in the PEPS program. Typical overhead rates range from $18-46 \%$ of production costs.
"Best of the Best" aptly describes the farmers participating in PEPS. Results reflect the efforts and costs of some of the best farmers growing corn on the best land available using their best management practices. Lower yielding fields are often not entered into the contest. Thus, "real world" costs are probably higher for most farmers.

We hope these results provide some ideas to improve corn production efficiency and profitability. More importantly, this report may provide some good points for discussion.


## PEPS Program

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## Exitension

## 2009 PEPS Procedures

The procedures used to calculate production costs and cost per bushel are hopefully self-explanatory from the enclosed PEPS budget summary sheet. The actual budget summary and history report is provided to participants only. You should notice the following in particular:

1. Grower return was calculated by multiplying commodity price with yield and subtracting production costs. Corn price was determined using a marketing strategy when $50 \%$ of the crop was sold in November and $25 \%$ forward contracted (less basis) to March and July respectively. The November average cash price was derived from Wisconsin Ag Statistics, and the March and July future prices were derived from the Chicago Board of Trade closing price on December 1.
2. Many costs (seed, herbicides, insecticides, insurance, scouting, etc.) were charged based on the figures provided to us by participants.
3. Nitrogen and micronutrient fertilizer costs were those provided, unless N analysis was unknown. If fertilizer was applied, and N analysis was unknown, N costs were based on removal at the grain yield obtained. All P and K costs were based on removal at the grain yield obtained. Starter and other mixed nutrient fertilizer costs were based on N and/or micronutrients only; P and K costs per unit, as a percentage of total applied fertilizer, were subtracted.
4. Equipment costs were based either on actual custom machinery hire, or on figures in the publication, "Minnesota Farm Machinery Economic Cost Estimates for 2007", for individual operations. (Please let us know if you would like a copy of this publication). We matched listed machinery size and type with the most appropriate categories in the publication.
5. Harvesting costs were estimated for handling ( $\$ 0.02$ per bushel), hauling ( $\$ 0.04$ per bushel), trucking ( $\$ 0.11$ per bushel) and storage ( $\$ 0.02$ per bushel month with $25 \%$ of grain shipped in March after 4 months storage and $25 \%$ of grain shipped in July after 8 months storage). Drying costs in the cash crop corn division were estimated at $\$ .02$ per point above $15.5 \%$ per dry bushel.
6. Milk price was determined using a marketing strategy of monthly forward contracts between December and September (less $\$ 1.25$ basis). The October and November average cash milk price was derived from Wisconsin Ag Statistics, and monthly futures prices were derived from the Chicago Mercantile Exchange closing prices on December 1. Harvesting costs were estimated for handling ( $\$ 0.75$ per T DM), hauling ( $\$ 1.50$ per T DM), packing or filling ( $\$ 0.50$ per T DM) and storage ( $\$ 1.00$ per T DM, and silage loss during storage of $15 \%$ of yield.
7. Land costs were based on the average of: a) $50 \%$ of the NRCS-rated corn yield potential for the soil type involved, and b) estimated cash rent. The $50 \%$ figure was derived from participant's estimates of average cash rents for land similar to the contest plot.
8. No one was disqualified for soil loss greater than "T", however soil loss in tons/acre is reported on the overall summary sheet.

2009 WISCONSIN "PEPS" PROGRAM

| District ID County | Participant Yield verifier | $\begin{aligned} & \text { Cost / Bu } \\ & \text { or } \\ & \text { Cost/T DM } \end{aligned}$ |  | Yield $\mathrm{Bu} / \mathrm{A}$ or T DM/A | NRCS <br> Corn <br> Moist Yield \% Bu/A |  | Hybrid | Planting |  |  | Previous Crop | Trips Over Field | Till | Herbicides | Insectides, Fungicides and / or PGRs | Nitrogen lbs/A | $\begin{aligned} & \text { Soil } \\ & \text { Loss } \\ & \text { /2/ } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | Date x | $\begin{array}{r} \text { Rate } \\ \times 1000 \end{array}$ | Row Width |  |  |  |  |  |  |  |
| Corn, Cash Crop |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12081 <br> Waupaca | Larry Danke <br> Paul Knutzen | \$2.64 | \$520 | 197 | 19.9 | 125 |  | LG Seeds <br> 2496BtRR | 4/30/2009 | 33 | 30 | Soybean | 6 | CP | Sure Start Atrazine 4L Glyphosate AMS |  | 120 | $3 Y$ |
| 22087 <br> Columbia | Daniel Padley <br> Daniel T Sandwick | \$2.01 | \$499 | 248 | 19.5 | 150 | Dekelb DKC52-62 | 4/26/2009 | 33 | 20 | Soybean | 6 | MT/NT | Glyphosate AMS | Headline | 120 | $3 Y$ |
| 32090 <br> Grant | David Gehrke Steve Mueller | \$2.35 | \$478 | 203 | 21.5 | 100 | Kussmaul K701HxLL | 5/4/2009 | 32 | 30 | Soybean | 5 | MT/NT | Keystone LA SureStart Ignite |  | 102 | $2 Y$ |
| Corn, Dairy and Livestock |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12094 Rusk | Rusk Rose Holsteins Inc. Gary Pomeranke | \$2.01 | \$324 | 161 | 26.1 | 105 | NK Brand N3637 | 5/3/2009 | 32 | 30 | Soybean | 6 | CP | Glystar |  | $27$ <br> Manure | $1 \mathrm{Y}$ |
| 32089 <br> Dane | Ron Dresen Vernon J. Meinholz | \$2.06 | \$435 | 212 | 22.8 | 95 | NK Brand N58LGTCBLL | 4/27/2009 | 29 | 30 | Soybean | 6 | CP | Lumax |  | $63$ <br> Manure | $5 \text { Y }$ |
|  |  |  |  |  |  |  | Corn, S | lage |  |  |  |  |  |  |  |  |  |
| 12098 <br> Marathon | Steve Kloos <br> Philip Ely | \$66.51 | \$539 | 8.1 | 66.2 | 100 | Pioneer 35F38 | 5/6/2009 | 35 | 30 | Soybean | 3 | MT/NT | Establish Lite Hornet |  | 93 | $4 Y$ |
| 32100 <br> Sauk | Meadow Lane Farms Denise Brusveen | \$80.71 | \$845 | 10.5 | 60.7 | 65 | Dekalb DKC63-42 | 5/20/2009 | 35 | 30 | Potatoes | 6 | MT/NT | Dual II Magnum Sterling Blue Roundup Weather Max Class Act Status AMS | Stratego <br> + InterLock <br> \& Quilt + PowerLock | 125 | 5 Y |

[^0]/2/ Soil Loss (Tons/A) based on Universal Soil Loss Equation and Wind Erosion Equation $Y=$ Soil loss is within "tolerable" level for the soil

Wisconsin "PEPS" Program

## Profits through Efficient Production Systems

## 2009 and ten year (2000 to 2009) average production costs in PEPS.



| Division | Yield <br> bu/A | Production Costs |  |  |  |  |  |  |  | Cost per acre | Cost per bushel or |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Equipment |  |  |  |  |  |
| District N | Dry T/A Moisture | Seed | Fertilizer Chemical Other | Harvest | Interest | Variable | Fixed | Custom | Land |  | Dry Ton |

## $\underline{2009}$

## Corn, Cash Crop

| $\mathbf{1}$ | 6 | 190 | 27.3 | $\$ 84$ | $\$ 135$ | $\$ 28$ | $\$ 23$ | $\$ 88$ | $\$ 18$ | $\$ 45$ | $\$ 25$ | $\$ 4$ | $\$ 63$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{2}$ | 4 | 241 | 20.9 | $\$ 78$ | $\$ 167$ | $\$ 34$ | $\$ 6$ | $\$ 81$ | $\$ 19$ | $\$ 43$ | $\$ 23$ | $\$ 6$ | $\$ 83$ |
| $\mathbf{3}$ | 2 | 234 | 21.6 | $\$ 81$ | $\$ 132$ | $\$ 61$ | $\$ 45$ | $\$ 82$ | $\$ 21$ | $\$ 36$ | $\$ 18$ | $\$ 26$ | $\$ 639$ |

## Corn, Silage

| 1 | 2 | 8.1 | 68.1 | $\$ 71$ | $\$ 164$ | $\$ 24$ | $\$ 0$ | $\$ 117$ | $\$ 19$ | $\$ 54$ | $\$ 33$ | $\$ 0$ | $\$ 63$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{3}$ | 4 | 9.3 | 62.9 | $\$ 104$ | $\$ 219$ | $\$ 44$ | $\$ 24$ | $\$ 143$ | $\$ 30$ | $\$ 33$ | $\$ 21$ | $\$ 110$ | $\$ 101$ |

## Corn, Cash Crop

| $\mathbf{1}$ | 130 | 180 | 20.4 | $\$ 42$ | $\$ 53$ | $\$ 22$ | $\$ 6$ | $\$ 59$ | $\$ 9$ | $\$ 19$ | $\$ 29$ | $\$ 6$ | $\$ 54$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{2}$ | 83 | 202 | 19.7 | $\$ 41$ | $\$ 64$ | $\$ 25$ | $\$ 3$ | $\$ 64$ | $\$ 10$ | $\$ 16$ | $\$ 22$ | $\$ 12$ | $\$ 67$ |
| $\mathbf{3}$ | 43 | 212 | 19.1 | $\$ 41$ | $\$ 52$ | $\$ 29$ | $\$ 7$ | $\$ 64$ | $\$ 10$ | $\$ 14$ | $\$ 25$ | $\$ 9$ | $\$ 83$ |

Corn, Dairy and Livestock

| $\mathbf{1}$ | 100 | 177 | 21.8 | $\$ 41$ | $\$ 26$ | $\$ 22$ | $\$ 4$ | $\$ 21$ | $\$ 7$ | $\$ 19$ | $\$ 31$ | $\$ 21$ | $\$ 53$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | :--- |
| $\mathbf{2}$ | 61 | 197 | 21.5 | $\$ 36$ | $\$ 36$ | $\$ 30$ | $\$ 3$ | $\$ 24$ | $\$ 7$ | $\$ 15$ | $\$ 27$ | $\$ 22$ | $\$ 61$ |
| $\mathbf{3}$ | 31 | 223 | 20.6 | $\$ 52$ | $\$ 65$ | $\$ 37$ | $\$ 9$ | $\$ 27$ | $\$ 10$ | $\$ 20$ | $\$ 25$ | $\$ 21$ | $\$ 81$ |

## Corn, Silage

| $\mathbf{1}$ | 7 | 7.9 | 65.4 | $\$ 51$ | $\$ 102$ | $\$ 25$ | $\$ 2$ | $\$ 116$ | $\$ 17$ | $\$ 39$ | $\$ 34$ | $\$ 40$ | $\$ 57$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mathbf{2}$ | 1 | 7.9 | 63.0 | $\$ 47$ | $\$ 72$ | $\$ 37$ | $\$ 15$ | $\$ 99$ | $\$ 16$ | $\$ 14$ | $\$ 11$ | $\$ 70$ | $\$ 41$ |
| $\mathbf{3}$ | 10 | 8.2 | 62.8 | $\$ 87$ | $\$ 175$ | $\$ 36$ | $\$ 16$ | $\$ 116$ | $\$ 24$ | $\$ 28$ | $\$ 18$ | $\$ 78$ | $\$ 91$ |

Average production costs of PEPS participants

|  | Yield |  | Production Costs |  |  |  |  |  |  |  | Land | Costperacr | Cost per bushel or Dry Ton |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | bu/A |  |  |  |  |  |  | Equipment |  |  |  |  |  |
| Year N | Dry T/A | Moisture | Seed Fertilizer | Chemical | Other | Harvest | Interest | Variable | Fixed | Custom |  |  |  |

## Corn, Cash Crop

| 2009 | 12 | 214 | 24.2 | \$82 | \$145 | \$35 | \$21 | \$85 | \$19 | \$43 | \$23 | \$8 | \$70 | \$531 | \$2.51 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2008 | 9 | 203 | 18.8 | \$57 | \$117 | \$21 | \$5 | \$61 | \$14 | \$43 | \$20 | \$6 | \$81 | \$426 | \$2.17 |
| 2007 | 15 | 191 | 17.0 | \$51 | \$73 | \$27 | \$8 | \$51 | \$11 | \$38 | \$20 | \$5 | \$67 | \$351 | \$1.89 |
| 2006 | 16 | 213 | 18.7 | \$44 | \$69 | \$25 | \$2 | \$63 | \$10 | \$16 | \$32 | \$5 | \$66 | \$333 | \$1.57 |
| 2005 | 23 | 206 | 18.2 | \$44 | \$66 | \$24 | \$4 | \$58 | \$10 | \$15 | \$32 | \$7 | \$63 | \$323 | \$1.59 |
| 2004 | 20 | 200 | 21.5 | \$41 | \$58 | \$23 | \$4 | \$70 | \$10 | \$14 | \$25 | \$11 | \$70 | \$326 | \$1.65 |
| 2003 | 34 | 197 | 19.5 | \$41 | \$45 | \$25 | \$5 | \$61 | \$9 | \$15 | \$25 | \$7 | \$62 | \$297 | \$1.52 |
| 2002 | 40 | 199 | 21.6 | \$37 | \$40 | \$20 | \$4 | \$70 | \$9 | \$14 | \$29 | \$7 | \$60 | \$288 | \$1.46 |
| 2001 | 41 | 176 | 20.5 | \$36 | \$44 | \$26 | \$3 | \$58 | \$9 | \$12 | \$25 | \$10 | \$59 | \$282 | \$1.62 |
| 2000 | 47 | 174 | 18.9 | \$34 | \$40 | \$24 | \$6 | \$52 | \$8 | \$12 | \$25 | \$11 | \$59 | \$272 | \$1.59 |
| 1999 | 42 | 191 | 17.3 | \$34 | \$51 | \$25 | \$3 | \$51 | \$8 | \$18 | \$25 | \$6 | \$60 | \$282 | \$1.49 |
| 1998 | 35 | 192 | 19.3 | \$34 | \$56 | \$24 | \$5 | \$59 | \$9 | \$18 | \$22 | \$7 | \$64 | \$299 | \$1.56 |
| 1997 | 25 | 172 | 25.2 | \$32 | \$51 | \$22 | \$4 | \$73 | \$9 | \$13 | \$19 | \$10 | \$61 | \$295 | \$1.71 |
| 1996 | 21 | 158 | 24.4 | \$28 | \$44 | \$24 | \$5 | \$65 | \$9 | \$15 | \$22 | \$10 | \$56 | \$276 | \$1.78 |
| 1995 | 48 | 143 | 19.5 | \$26 | \$42 | \$24 | \$3 | \$44 | \$8 | \$14 | \$20 | \$13 | \$55 | \$249 | \$1.76 |
| 1994 | 43 | 178 | 20.5 | \$25 | \$41 | \$25 | \$4 | \$59 | \$8 | \$13 | \$19 | \$16 | \$56 | \$266 | \$1.50 |
| 1993 | 35 | 122 | 24.8 | \$24 | \$34 | \$21 | \$16 | \$51 | \$8 | \$10 | \$24 | \$13 | \$58 | \$258 | \$2.20 |
| 1992 | 35 | 153 | 27.5 | \$24 | \$46 | \$22 | \$18 | \$71 | \$9 | \$19 | \$22 | \$0 | \$63 | \$294 | \$1.95 |
| 1991 | 34 | 173 | 20.1 | \$22 | \$47 | \$17 | \$15 | \$56 | \$8 | \$22 | \$26 | \$0 | \$57 | \$269 | \$1.57 |
| 1990 | 31 | 161 | 22.4 | \$21 | \$43 | \$16 | \$23 | \$59 | \$8 | \$11 | \$28 | \$0 | \$63 | \$273 | \$1.70 |
| 1989 | 23 | 152 | 20.8 | \$20 | \$47 | \$17 | \$21 | \$51 | \$8 | \$13 | \$31 | \$0 | \$61 | \$268 | \$1.77 |
| 1988 | 16 | 136 | 22.9 | \$18 | \$44 | \$19 | \$9 | \$52 | \$7 | \$14 | \$29 | \$9 | \$63 | \$263 | \$1.96 |
| 1987 | 25 | 161 | 20.7 | \$20 | \$48 | \$16 | \$26 | \$54 | \$8 | \$6 | \$42 | \$0 | \$62 | \$282 | \$1.75 |

## Corn, Dairy and Livestock

| 2009 | 5 | 194 | 25.7 | \$78 | \$103 | \$32 | \$2 | \$23 | \$14 | \$27 | \$22 | \$46 | \$80 | \$428 | \$2.19 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2008 | 7 | 209 | 22.5 | \$69 | \$96 | \$33 | \$11 | \$25 | \$13 | \$46 | \$25 | \$19 | \$71 | \$409 | \$1.96 |
| 2007 | 10 | 188 | 17.3 | \$61 | \$49 | \$26 | \$10 | \$23 | \$10 | \$40 | \$25 | \$16 | \$68 | \$329 | \$1.75 |
| 2006 | 10 | 189 | 22.0 | \$49 | \$40 | \$23 | \$4 | \$23 | \$8 | \$18 | \$38 | \$13 | \$70 | \$285 | \$1.51 |
| 2005 | 12 | 216 | 19.6 | \$38 | \$45 | \$26 | \$9 | \$26 | \$8 | \$18 | \$37 | \$23 | \$59 | \$289 | \$1.34 |
| 2004 | 18 | 191 | 23.4 | \$39 | \$38 | \$24 | \$7 | \$23 | \$7 | \$15 | \$31 | \$17 | \$56 | \$257 | \$1.37 |
| 2003 | 27 | 194 | 21.2 | \$40 | \$27 | \$26 | \$4 | \$23 | \$7 | \$15 | \$28 | \$25 | \$62 | \$259 | \$1.37 |
| 2002 | 31 | 199 | 22.6 | \$38 | \$26 | \$28 | \$4 | \$24 | \$7 | \$15 | \$28 | \$26 | \$61 | \$257 | \$1.30 |
| 2001 | 33 | 177 | 21.6 | \$36 | \$25 | \$27 | \$3 | \$21 | \$7 | \$14 | \$28 | \$21 | \$57 | \$239 | \$1.40 |
| 2000 | 39 | 182 | 20.6 | \$34 | \$29 | \$28 | \$4 | \$22 | \$7 | \$15 | \$27 | \$18 | \$57 | \$240 | \$1.34 |
| 1999 | 30 | 190 | 20.2 | \$32 | \$40 | \$27 | \$3 | \$23 | \$7 | \$19 | \$25 | \$12 | \$57 | \$245 | \$1.30 |
| 1998 | 23 | 190 | 20.7 | \$34 | \$46 | \$27 | \$3 | \$23 | \$8 | \$21 | \$23 | \$14 | \$53 | \$253 | \$1.34 |
| 1997 | 16 | 161 | 25.8 | \$31 | \$31 | \$25 | \$2 | \$19 | \$6 | \$15 | \$20 | \$11 | \$54 | \$214 | \$1.34 |
| 1996 | 28 | 136 | 25.1 | \$27 | \$29 | \$21 | \$3 | \$16 | \$6 | \$19 | \$24 | \$9 | \$52 | \$205 | \$1.56 |
| 1995 | 38 | 139 | 21.8 | \$26 | \$29 | \$24 | \$3 | \$17 | \$6 | \$16 | \$22 | \$12 | \$50 | \$204 | \$1.49 |
| 1994 | 55 | 173 | 22.5 | \$25 | \$30 | \$21 | \$4 | \$21 | \$6 | \$19 | \$23 | \$15 | \$49 | \$214 | \$1.25 |
| 1993 | 38 | 128 | 26.5 | \$25 | \$24 | \$19 | \$16 | \$15 | \$6 | \$24 | \$24 | \$0 | \$50 | \$202 | \$1.63 |
| 1992 | 61 | 133 | 29.1 | \$25 | \$28 | \$20 | \$22 | \$16 | \$6 | \$25 | \$26 | \$0 | \$52 | \$219 | \$1.69 |
| 1991 | 61 | 167 | 21.2 | \$22 | \$35 | \$17 | \$15 | \$20 | \$6 | \$26 | \$28 | \$0 | \$54 | \$223 | \$1.35 |
| 1990 | 45 | 151 | 25.6 | \$22 | \$36 | \$15 | \$16 | \$18 | \$5 | \$12 | \$37 | \$0 | \$54 | \$217 | \$1.45 |
| 1989 | 39 | 136 | 23.8 | \$21 | \$31 | \$18 | \$13 | \$16 | \$5 | \$15 | \$41 | \$0 | \$55 | \$216 | \$1.63 |
| 1988 | 15 | 110 | 22.1 | \$18 | \$30 | \$15 | \$4 | \$13 | \$5 | \$15 | \$37 | \$8 | \$60 | \$205 | \$1.93 |
| 1987 | 12 | 167 | 23.5 | \$18 | \$45 | \$17 | \$27 | \$20 | \$6 | \$8 | \$52 | \$0 | \$61 | \$255 | \$1.55 |

## Corn, Silage

| 2009 | 6 | 8.9 | 64.6 | $\$ 93$ | $\$ 200$ | $\$ 38$ | $\$ 16$ | $\$ 134$ | $\$ 27$ | $\$ 40$ | $\$ 25$ | $\$ 73$ | $\$ 88$ | $\$ 734$ | $\$ 81.95$ |
| :--- | :--- | :--- | :--- | :--- | ---: | :--- | ---: | ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2008 | 3 | 7.3 | 62.2 | $\$ 92$ | $\$ 183$ | $\$ 29$ | $\$ 15$ | $\$ 98$ | $\$ 22$ | $\$ 28$ | $\$ 17$ | $\$ 52$ | $\$ 93$ | $\$ 629$ | $\$ 89.26$ |
| 2007 | 6 | 8.3 | 62.0 | $\$ 50$ | $\$ 103$ | $\$ 27$ | $\$ 7$ | $\$ 116$ | $\$ 17$ | $\$ 32$ | $\$ 22$ | $\$ 51$ | $\$ 56$ | $\$ 481$ | $\$ 58.07$ |
| 2006 | 3 | 6.6 | 67.4 | $\$ 48$ | $\$ 56$ | $\$ 30$ | $\$ 2$ | $\$ 93$ | $\$ 14$ | $\$ 15$ | $\$ 30$ | $\$ 76$ | $\$ 68$ | $\$ 434$ | $\$ 67.33$ |

## 2009 WISCONSIN "PEPS" PROGRAM <br> Summary of Corn Cultural Practices - Grouped by Return per Acre



## Lowest Cost (per Bushel or Ton DM)

| Year | County | Name | Hybrid | Yield | Cost | County | Name | Hybrid | Yield |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Corn, Cash Crop |  |  |  |  |  |  |  |  |  |
| 2009 | Columbia | Daniel Padley | Dekelb DKC52-62 | 248 | \$2.01 | Jackson | Stetzer Farms | Dekalb DKC52-59 | 27 |
| 2008 | Jackson | Stetzer Farms | Dekalb DK50-44VT3 | 254 | \$1.58 | Jackson | Stetzer Farms | Dekalb DK50-44VT3 | 25 |
| 2007 | Grant | Joe Zenz | Dekalb DKC61-73 | 250 | \$1.74 | Grant | Joe Zenz | Dekalb DKC61-73 | 25 |
| 2006 | Buffalo | Merlin D. Sutter | NK Brand N67-W5 | 269 | \$1.39 | Buffalo | Merlin D. Sutter | NK Brand N67-W5 | 26 |
| 2005 | Jackson | Stetzer Farms | Croplan 412Hx/LL | 240 | \$1.26 | Grant | Eugene Steiger | Dekalb DKC61-43 | 27 |
| 2004 | Grant | Eugene Steiger | Dekalb DKC60-19 | 264 | \$1.38 | Grant | Eugene Steiger | Dekalb DKC60-19 | 26 |
| 2003 | Grant | Eugene Steiger | Dekalb DKC5878 | 246 | \$1.22 | Grant | Eugene Steiger | Dekalb DKC5878 | 24 |
| 2002 | Jackson | Stetzer Farms | NK N5127 | 230 | \$1.19 | Dunn | Mark Bates | NK N43C4 | 24 |
| 2001 | Vernon | Todd Vesbach | NK Brand N45-A6 | 207 | \$0.99 | Grant | Paul McLean | Pioneer 34B23 | 22 |
| 2000 | Marquette | Lindner Grain Farms | Dekalb 44-42Bt | 218 | \$0.82 | Grant | Eugene Steiger | Asgrow RX730YG | 22 |
| 1999 | Manitowoc | Hamp Haven Farms | Novartis 3030BT | 255 | \$0.85 | Manitowoc | Hamp Haven Farms | Novartis 3030BT | 25 |
| 1998 | Calumet | Meyer Dairy \& Grain | Novartis N3030 BT | 230 | \$1.03 | Lafayette | Mike Engelke | Pioneer 34 T 14 | 23 |
| 1997 | Lafayette | Bahr Farms | Trelay 8002 | 215 | \$1.31 | Lafayette | Bahr Farms | Trelay 8002 | 21 |
| 1996 | Jefferson | Dennis Schultz | Seed Mart 1104 | 175 | \$1.02 | Lafayette | D \& S Farms | Pioneer 3730 | 19 |
| 1995 | Waupaca | Steinbach Farms | NK 3030 | 169 | \$1.05 | Lafayette | Bahr Farms | Hughes 5500 | 18 |
| 1994 | Eau Claire | Jaquish Farms, Inc. | Pioneer 3751 | 193 | \$0.88 | Lafayette | Allynn Gertsch | Trelay T6002 | 227 |
| 1993 | Eau Claire | Jaquish Farms, Inc. | Pioneer 3751 | 149 | \$1.22 | Grant | Richard Benson | Trelay 6002 | 18 |
| 1992 | Adams | Edward Volkening | Blaney 2100 | 131 | \$1.38 | Grant | Alchar Grain Farms | Great Lakes GL590 | 203 |
| 1991 | Winnebago | Lowell Kratz | Garst 8777 | 204 | \$1.00 | Dodge | Hammer \& Kavazanjian Farms | Pioneer 3733 | 21 |
| 1990 | Winnebago | Leonard Kratz | Dekalb DK353 | 185 | \$1.05 | Grant | Alchar Grain Farms | Hughes 5870 | 19 |
| 1989 | Lafayette | Allen Kraus | Northrup King S5340 | 169 | \$1.00 | Lafayette | Allynn Gertsch | Heritage Top Gun | 17 |
| 1988 | Juneau | D \& F Pokorney | Pioneer 3737 | 127 | \$1.34 | Dodge | Hammer \& Kavazanjian Farms | Asgrow 626 | 17 |
| 1987 | Grant | Chuck Raisbeck | Pride 5547 | 188 | \$1.03 | Grant | Chuck Raisbeck | Pride 5547 | 18 |
| Corn, Dairy and Livestock |  |  |  |  |  |  |  |  |  |
| 2009 | Rusk | Rusk Rose Holsteins In | NK Brand N3637 | 161 | \$2.01 | Grant | Tim Walz | Fielders Choice NG6676 | 27 |
| 2008 | St. Croix | Robert Ickler | Croplan 314RRBt | 241 | \$1.32 | Sauk | Meadow Lane Farms | NK Brand N68B | 26 |
| 2007 | Sauk | Meadow Lane Farms | Dekalb DKC61-66 | 270 | \$1.56 | Sauk | Meadow Lane Farms | Dekalb DKC61-66 | 27 |
| 2006 | Grant | Tim Walz | Mycogen 2D545 | 232 | \$1.55 | Grant | Tim Walz | Mycogen 2D545 | 23 |
| 2005 | St. Croix | Robert Ickler | Croplan Genetics 355 RRBt | 242 | \$1.06 | Sauk | Meadow Lane Farms | Crows 4707 | 24 |
| 2004 | Dunn | Manske Farms | Croplan 344RRBt | 196 | \$1.03 | Trempeale | Hamlin Valley Farms | Pioneer 38B85 | 25 |
| 2003 | Grant | Tim Walz | Mycogen 6920Bt | 267 | \$1.18 | Grant | Tim Walz | Mycogen 6920Bt | 26 |
| 2002 | Jackson | Stetzer Farms | NK N58D1 | 236 | \$0.92 | Dunn | Jerry Bates | NK N3030Bt | 25 |
| 2001 | Sauk | Meadow Lane Farms | NK Brand N67-T4 | 242 | \$0.98 | Sauk | Meadow Lane Farms | NK Brand N67-T4 | 24 |
| 2000 | Calumet | Meyer Dairy \& Grain | NK N3030Bt | 213 | \$0.93 | Jackson | Sedelbauer Farms, Inc. | Pioneer 37R71 | 25 |
| 1999 | Columbia | 4th Generation Homest | Novartis N59-Q9 | 248 | \$0.94 | Columbia | 4th Generation Homestead | Novartis N59-Q9 | 248 |
| 1998 | Manitowoc | Hamp Haven Farms | Cargill 3677 | 225 | \$0.91 | Lafayette | Jacob Engelke | Pioneer 33A14 | 25 |
| 1997 | Marquette | Daniel Thome | Pioneer 3753 | 177 | \$0.97 | Rock | Daniel Ballmer | DeKalb DK 560 | 18 |
| 1996 | Polk | Hibbs Family Farm | Mycogen TMF 94 | 126 | \$0.87 | Lafayette | Mike Engelke | Pioneer 3489 | 19 |
| 1995 | Crawford | Gene Fritsche | Dairyland 1202 | 168 | \$0.94 | Adams | Clover View Farms | NK 4242 | 18 |
| 1994 | Adams | Clover View Farms | NK N4242 | 205 | \$0.80 | Grant | Maurice McLean | Great Lakes GL-586 | 22 |
| 1993 | Dane | Randy \& John Zimmer | Northrup King N4242 | 187 | \$0.98 | Dane | Randy \& John Zimmerman | Northrup King N4242 | 18 |
| 1992 | Crawford | Gene Fritsche | Dairyland DX1207 | 182 | \$0.93 | Grant | Eugene Steiger | Pioneer 3394 | 20 |
| 1991 | Sheboygan | Bob \& Dawn Boehlke | Cenex/LOL 451 | 228 | \$0.93 | Sheboygan | Bob \& Dawn Boehlke | Cenex/LOL 451 | 22 |
| 1990 | Shawano | Jon Kroenke | Cenex/LOL 385 | 146 | \$0.96 | Sauk | Clifford Klemm | Cenex/LOL 511 | 19 |
| 1989 | Eau Claire | Jaquish Farms, Inc. | Pioneer 3475 | 174 | \$1.07 | Grant | David Riemenapp | Cenex/LOL 555 | 18 |
| 1988 | Winnebago | Henry Stark | Pioneer 3737 | 140 | \$1.13 | Winnebago | Henry Stark | Pioneer 3737 | 14 |
| 1987 | Ozaukee | James Melichar | Northrup King PX9283 | 158 | \$0.99 | lowa | Bruce Caygill | Pioneer 3475 | 20 |
| Corn, Silage |  |  |  |  |  |  |  |  |  |
| 2009 | Marathon | Steve Kloos | Pioneer 35F38 | 8.1 | \$66.51 | Sauk | Meadow Lane Farms | Dekalb DKC63-42 | 10. |
| 2008 | Sauk | Meadow Lane Farms | Mycogen F2F635 | 7.2 | \$98.69 | Grant | Tracy Walz | Croplan 591TS | 9. |
| 2007 | Manitowoc | Libertyland Farms | NK Brand N33-H6 | 8.8 | \$52.67 | Grant | Tim Walz | Mycogen TMF2N602 |  |
| 2006 | Manitowoc | Libertyland Farms | NK Brand N33-H6 | 7.4 | \$51.63 | Manitowoc | Libertyland Farms | NK Brand N33-H6 |  |


[^0]:    /1/ Tillage: NT/MT=No Till/Minimum Till, CP=Chisel Plow, MP= Moldboard Plow

