

SAGINAW VALLEY BEAN AND BEET RESEARCH FARM REPORT

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Introduction

The Michigan sugar beet industry, represented by the Farmers and Manufacturers Beet Sugar Association, and the Michigan dry bean industry, represented by the Michigan Bean Commission and the Michigan Bean Shippers Association, purchased a 119-acre farm early in 1971 for lease to Michigan State University to conduct field research on sugar beets, dry edible beans, and related cash crops. One additional acre was purchased in 1989, and an additional 66 acres is leased to bring the total to 186 acres. The farm is located in Swan Creek Township of Saginaw County at the southwest corner of Swan Creek and Thomas Roads.

Field research was initiated in 1971 and the 2007 season was the thirty-seventh season of research at the farm. This research report is primarily a compilation of research conducted at the research farm in 2007. Most of the work represents one year's results, and even though multi-season results are included, **this work should be considered a progress report.**

Soil - The soil type on the farm is classified as a Misteguay silty clay. The soil pH ranges from 7.4 to 7.9 and averages 7.7, and the Bray P₁ phosphorus was low at the initiation of the studies, averaging 15 lb P/acre. It is variable due to fertilization practices carried out in the various experiments. The exchangeable K generally tests between 425 and 475 lb/acre. At this soil test value, no fertilizer potash is recommended for the production of sugar beet, soybean, corn, dry bean and small grains.

Weather -The monthly rainfall for 2007 collected with the automated rain gauge is given in Table 1. The historical monthly totals, compared to the long-term averages from the Research Farm are given in Table 2. All rainfall amounts recorded in Table 2 prior to 1999 were manually collected using a National Weather Service standard rain gauge. Rainfall was adequate to above average through the growing season, which helped most crops grow, mature and yield well through a drier September and October. Harvest and tillage went well through a dry September through November. Rainfall was below average for the year.

Maximum and minimum daily temperatures are given in Table 3. Temperatures were above average during the 2007 growing season. There were 14 days above 90 degrees and 47 days above 85 degrees in 2007. The fall was dry with warmer temperatures. Harvest and fall tillage finished normally this year.

Growing degree-day accumulation for the six month summer period are given in Table 4. Total accumulation in 2007 was above average. The month of October had the highest accumulation of degree-days since 1976.

Precipitation (inches) - Saginaw Valley Research Farm - 2007

| Day: | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | | | | 0.02 | 0.01 | | 0.03 | | | 0.01 | | |
| 2 | | | | 0.01 | 0.10 | 0.75 | | | | | | 1.02 |
| 3 | 0.16 | | 0.22 | 0.26 | | 0.04 | | 0.29 | | 0.04 | | |
| 4 | | | | | | | 0.18 | | | 1.26 | | |
| 5 | 0.26 | | | 0.01 | | | | | | | | |
| 6 | | 0.51 | | | | | | | | | | |
| 7 | | | | 0.74 | | 0.25 | | | | | | |
| 8 | | | | | | | | | 0.02 | | | |
| 9 | | | | | | | 0.57 | | 0.12 | | | |
| 10 | | 0.08 | 0.51 | | 0.62 | | 0.05 | 0.01 | | 0.03 | | |
| 11 | | | | 0.24 | 1.27 | | 0.98 | | 0.55 | 0.56 | | |
| 12 | | | | 0.01 | 0.15 | | 0.39 | | 0.36 | 0.01 | | |
| 13 | | 0.06 | 0.65 | 0.33 | 0.04 | | | | 0.09 | 0.09 | 1.15 | 0.57 |
| 14 | | | | | 0.19 | | 0.76 | | | | | |
| 15 | 0.40 | | | | | | | | | | | |
| 16 | | 0.20 | | | 0.25 | | | | 0.01 | 0.01 | | |
| 17 | | 0.72 | | | 0.10 | | 1.66 | | | 0.67 | 0.90 | |
| 18 | 0.38 | | | | 0.08 | 0.16 | | | 0.05 | 0.07 | | |
| 19 | | | | | 0.40 | | | | 0.01 | 0.15 | | |
| 20 | | | | | 0.11 | | 0.02 | | | | | |
| 21 | | | | | | 0.79 | | | | 0.21 | | |
| 22 | | | | | | | 0.16 | | 0.55 | 0.45 | | 0.22 |
| 23 | 0.40 | | | 0.20 | | | 0.01 | 0.01 | 0.51 | 0.02 | | |
| 24 | | | 0.04 | | 0.03 | | | 0.32 | 0.01 | | | |
| 25 | | | | 0.05 | 0.16 | | | 0.31 | | | | |
| 26 | | | | | | | 0.39 | 1.56 | | | | |
| 27 | | | | | | | | | 0.08 | 0.19 | | |
| 28 | | | | | | 0.04 | 0.21 | | | | 0.02 | 0.25 |
| 29 | | | | | | | | 0.11 | | | | |
| 30 | 0.31 | | | | 0.58 | | 0.31 | | 0.17 | | 0.98 | |
| 31 | | | 0.17 | | 0.08 | | | | | | | 0.75 |
| TOTAL | 1.11 | 0.35 | 1.22 | 3.33 | 2.38 | 1.21 | 2.74 | 5.29 | 2.77 | 2.93 | 0.68 | 1.93 |

YEAR END TOTAL: 25.94 INCHES

MONTHLY PRECIPITATION, SAGINAW VALLEY RESEARCH FARM

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|
| 1973 | 1.25 | 1.13 | 3.42 | 2.12 | 3.97 | 2.72 | 3.17 | 1.26 | 1.80 | 2.26 | 3.40 | 1.68 | 28.18 |
| 1974 | 2.99 | 2.08 | 3.35 | 2.11 | 3.30 | 2.83 | 2.50 | 1.75 | 2.59 | 1.72 | 2.14 | 1.37 | 28.73 |
| 1975 | 3.00 | 1.70 | 1.86 | 2.50 | 1.61 | 3.85 | 1.66 | 8.66 | 2.52 | 0.50 | 2.80 | 2.68 | 33.34 |
| 1976 | 1.45 | 2.37 | 5.51 | 4.56 | 4.16 | 5.38 | 1.83 | 1.22 | 1.56 | 2.56 | 0.82 | 0.50 | 31.92 |
| 1977 | 0.37 | 0.66 | 2.87 | 2.95 | 1.48 | 2.73 | 1.92 | 4.77 | 8.96 | 2.74 | 2.10 | 1.63 | 33.18 |
| 1978 | 2.26 | 0.34 | 1.27 | 1.43 | 2.18 | 2.03 | 2.27 | 1.71 | 4.52 | 1.13 | 1.77 | 2.08 | 22.99 |
| 1979 | 1.65 | 0.39 | 1.76 | 2.51 | 1.36 | 3.59 | 5.64 | 2.10 | 0.10 | 2.47 | 3.46 | 2.10 | 27.13 |
| 1980 | 1.00 | 0.71 | 1.84 | 3.91 | 2.60 | 4.04 | 5.90 | 2.11 | 4.61 | 3.26 | 0.94 | 2.44 | 33.36 |
| 1981 | 0.29 | 1.73 | 0.53 | 3.43 | 3.52 | 3.09 | 2.41 | 3.83 | 9.09 | 2.74 | 2.21 | 0.68 | 33.56 |
| 1982 | 2.37 | 0.46 | 2.26 | 1.27 | 3.32 | 3.09 | 2.65 | 2.55 | 3.02 | 0.76 | 4.01 | 3.26 | 29.02 |
| 1983 | 0.89 | 0.90 | 3.29 | 4.55 | 6.15 | 3.55 | 1.91 | 2.50 | 5.11 | 2.95 | 3.06 | 2.00 | 36.86 |
| 1984 | 0.56 | 0.73 | 3.18 | 3.20 | 3.66 | 3.94 | 2.42 | 3.75 | 3.29 | 3.05 | 2.67 | 2.18 | 32.63 |
| 1985 | 1.85 | 2.12 | 4.08 | 3.96 | 2.30 | 1.87 | 2.38 | 7.02 | 4.38 | 3.08 | 4.66 | 1.05 | 38.75 |
| 1986 | 1.34 | 2.24 | 1.62 | 1.87 | 3.10 | 3.48 | 1.38 | 2.76 | 18.05 | 2.64 | 0.75 | 1.38 | 40.61 |
| 1987 | 1.11 | 0.82 | 1.03 | 2.03 | 0.67 | 4.11 | 1.35 | 3.92 | 5.03 | 1.88 | 2.13 | 2.63 | 26.71 |
| 1988 | 1.04 | 1.01 | 1.70 | 3.26 | 0.56 | 0.59 | 3.45 | 3.52 | 2.46 | 3.25 | 4.36 | 1.08 | 26.28 |
| 1989 | 1.09 | 0.34 | 1.40 | 2.05 | 5.03 | 6.25 | 1.06 | 2.92 | 4.43 | 1.72 | 3.24 | 0.48 | 30.01 |
| 1990 | 1.23 | 1.21 | 1.17 | 1.54 | 2.81 | 2.07 | 2.53 | 6.94 | 3.74 | 5.87 | 4.51 | 1.45 | 35.12 |
| 1991 | 0.85 | 0.60 | 3.68 | 6.61 | 3.71 | 2.66 | 4.53 | 2.61 | 1.50 | 3.52 | 2.04 | 1.24 | 31.58 |
| 1992 | 1.20 | 1.65 | 1.31 | 4.56 | 1.10 | 2.10 | 4.33 | 2.92 | 4.08 | 2.54 | 4.50 | 2.10 | 32.39 |
| 1993 | 2.72 | 0.47 | 0.87 | 4.08 | 2.76 | 3.03 | 2.46 | 4.62 | 4.00 | 3.70 | 1.99 | 0.53 | 31.23 |
| 1994 | 0.55 | 0.66 | 0.91 | 3.58 | 2.04 | 6.99 | 2.57 | 4.44 | 2.19 | 2.24 | 4.40 | 1.03 | 31.60 |
| 1995 | 1.67 | 0.35 | 1.38 | 2.72 | 1.44 | 1.96 | 1.29 | 5.00 | 1.33 | 2.39 | 4.05 | 0.79 | 24.37 |
| 1996 | 0.83 | 0.94 | 0.49 | 3.18 | 5.47 | 5.65 | 2.32 | 1.53 | 3.52 | 3.31 | 1.37 | 2.21 | 30.82 |
| 1997 | 1.51 | 4.25 | 1.32 | 1.38 | 3.00 | 0.69 | 2.44 | 3.61 | 3.46 | 1.31 | 1.03 | 0.36 | 24.36 |
| 1998 | 2.66 | 2.05 | 3.17 | 2.14 | 1.87 | 1.56 | 1.02 | 2.01 | 1.41 | 3.18 | 1.79 | 1.32 | 24.18 |
| 1999 | 2.75 | 0.41 | 0.62 | 5.01 | 2.33 | 3.07 | 5.02 | 3.01 | 2.52 | 1.12 | 1.04 | 1.90 | 28.80 |
| 2000 | 0.57 | 1.35 | 0.89 | 2.94 | 5.34 | 2.65 | 3.03 | 3.69 | 3.27 | 0.90 | 2.07 | 1.57 | 28.27 |
| 2001 | 0.33 | 3.16 | 0.11 | 2.38 | 4.42 | 2.45 | 0.53 | 3.52 | 4.34 | 4.90 | 1.76 | 1.61 | 29.51 |
| 2002 | 1.02 | 1.49 | 2.47 | 3.49 | 4.46 | 3.15 | 3.00 | 4.50 | 0.50 | 1.87 | 1.19 | 0.97 | 28.11 |
| 2003 | 0.27 | 0.21 | 1.66 | 0.36 | 4.19 | 2.04 | 2.49 | 1.33 | 1.99 | 1.09 | 5.35 | 1.20 | 22.18 |
| 2004 | 1.09 | 0.55 | 2.50 | 1.31 | 7.34 | 2.70 | 2.01 | 2.32 | 0.66 | 2.41 | 3.44 | 1.51 | 27.84 |
| 2005 | 2.90 | 0.71 | 0.62 | 1.32 | 1.74 | 4.97 | 3.20 | 0.72 | 0.72 | 1.30 | 3.83 | 1.49 | 23.52 |
| 2006 | 1.91 | 1.57 | 1.59 | 1.87 | 4.17 | 2.03 | 5.72 | 2.61 | 2.53 | 3.77 | 3.05 | 2.81 | 33.63 |
| 2007 | 1.11 | 0.35 | 1.22 | 3.33 | 2.38 | 1.21 | 2.74 | 5.29 | 2.77 | 2.93 | 0.68 | 1.93 | 25.94 |
| AVG. | 1.21 | 1.09 | 1.68 | 2.63 | 2.85 | 2.90 | 2.48 | 3.11 | 3.40 | 2.29 | 2.47 | 1.44 | 27.54 |

MAXIMUM-MINIMUM AIR TEMPERATURES (F)
SAGINAW VALLEY RESEARCH FARM - 2007

| DAY | JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----|---------|-----|----------|-----|-------|-----|-------|-----|-----|-----|------|-----|
| | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| 1 | 48 | 31 | 25 | 14 | 35 | 26 | 68 | 45 | 52 | 49 | 81 | 64 |
| 2 | 42 | 23 | 21 | 5 | 35 | 27 | 52 | 34 | 59 | 42 | 86 | 61 |
| 3 | 47 | 31 | 15 | 0 | 30 | 24 | 54 | 32 | 66 | 39 | 72 | 61 |
| 4 | 51 | 35 | 4 | -10 | 31 | 23 | 44 | 23 | 70 | 35 | 74 | 58 |
| 5 | 51 | 43 | 9 | -7 | 28 | 8 | 28 | 21 | 66 | 40 | 59 | 47 |
| 6 | 45 | 35 | 10 | -8 | 17 | 1 | 29 | 21 | 66 | 42 | 69 | 35 |
| 7 | 37 | 26 | 18 | -2 | 25 | 10 | 29 | 19 | 75 | 33 | 89 | 56 |
| 8 | 34 | 27 | 19 | 4 | 32 | 6 | 34 | 23 | 84 | 53 | 80 | 51 |
| 9 | 29 | 21 | 21 | -1 | 44 | 19 | 37 | 19 | 69 | 53 | 77 | 44 |
| 10 | 28 | 18 | 20 | 9 | 45 | 34 | 46 | 20 | 77 | 51 | 81 | 46 |
| 11 | 43 | 28 | 23 | 9 | 50 | 24 | 37 | 29 | 74 | 50 | 81 | 51 |
| 12 | 45 | 30 | 24 | 14 | 52 | 31 | 38 | 33 | 57 | 41 | 85 | 48 |
| 13 | 31 | 23 | 14 | 11 | 72 | 33 | 48 | 27 | 66 | 28 | 90 | 52 |
| 14 | 28 | 25 | 17 | 2 | 61 | 34 | 43 | 22 | 79 | 45 | 91 | 54 |
| 15 | 29 | 20 | 18 | -11 | 35 | 22 | 52 | 26 | 82 | 54 | 86 | 58 |
| 16 | 22 | -2 | 24 | 4 | 33 | 21 | 58 | 33 | 54 | 45 | 87 | 60 |
| 17 | 25 | -5 | 26 | 8 | 37 | 23 | 61 | 34 | 60 | 38 | 87 | 66 |
| 18 | 30 | 9 | 21 | 0 | 39 | 22 | 44 | 39 | 69 | 29 | 92 | 65 |
| 19 | 27 | 14 | 40 | 1 | 48 | 26 | 63 | 35 | 78 | 46 | 79 | 59 |
| 20 | 24 | 2 | 37 | 18 | 36 | 19 | 70 | 30 | 61 | 38 | 80 | 54 |
| 21 | 25 | 3 | 40 | 10 | 58 | 21 | 74 | 35 | 67 | 31 | 78 | 58 |
| 22 | 26 | 14 | 37 | 20 | 62 | 36 | 81 | 41 | 83 | 47 | 75 | 49 |
| 23 | 29 | 25 | 26 | 9 | 58 | 33 | 72 | 49 | 86 | 55 | 79 | 47 |
| 24 | 26 | 14 | 27 | 9 | 63 | 42 | 66 | 34 | 86 | 55 | 83 | 46 |
| 25 | 20 | -10 | 31 | 21 | 66 | 39 | 55 | 43 | 75 | 53 | 89 | 57 |
| 26 | 27 | -4 | 34 | 29 | 76 | 56 | 50 | 43 | 65 | 50 | 92 | 62 |
| 27 | 32 | 16 | 35 | 27 | 70 | 47 | 50 | 44 | 73 | 48 | 89 | 68 |
| 28 | 18 | -4 | 34 | 27 | 48 | 36 | 68 | 44 | 77 | 41 | 76 | 56 |
| 29 | 21 | 0 | | | 59 | 34 | 74 | 39 | 83 | 52 | 77 | 45 |
| 30 | 21 | 2 | | | 55 | 30 | 69 | 48 | 87 | 59 | 78 | 48 |
| 31 | 22 | 8 | | | 49 | 39 | | | 86 | 64 | | |

MAXIMUM-MINIMUM AIR TEMPERATURES (F)
SAGINAW VALLEY RESEARCH FARM - 2007 cont.

| DAY | JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----|------|-----|--------|-----|-----------|-----|---------|-----|----------|-----|----------|-----|
| | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
| 1 | 69 | 44 | 95 | 61 | 81 | 51 | 64 | 56 | 50 | 28 | 27 | 6 |
| 2 | 73 | 41 | 93 | 62 | 81 | 51 | 70 | 56 | 56 | 24 | 38 | 26 |
| 3 | 80 | 56 | 90 | 64 | 86 | 58 | 72 | 47 | 54 | 30 | 35 | 23 |
| 4 | 81 | 61 | 81 | 55 | 84 | 54 | 80 | 38 | 50 | 25 | 26 | 20 |
| 5 | 83 | 60 | 72 | 55 | 91 | 57 | 86 | 55 | 55 | 31 | 23 | 14 |
| 6 | 83 | 59 | 87 | 66 | 87 | 60 | 86 | 61 | 41 | 34 | 27 | 13 |
| 7 | 88 | 54 | 86 | 66 | 77 | 68 | 88 | 63 | 38 | 30 | 31 | 20 |
| 8 | 96 | 66 | 86 | 70 | 75 | 53 | 89 | 64 | 40 | 32 | 31 | 14 |
| 9 | 93 | 70 | 76 | 66 | 78 | 55 | 73 | 51 | 46 | 34 | 26 | 22 |
| 10 | 94 | 63 | 83 | 65 | 65 | 52 | 53 | 43 | 48 | 32 | 30 | 21 |
| 11 | 75 | 54 | 86 | 56 | 65 | 50 | 52 | 45 | 43 | 39 | 33 | 18 |
| 12 | 76 | 52 | 89 | 62 | 62 | 45 | 52 | 35 | 57 | 42 | 36 | 13 |
| 13 | 74 | 50 | 80 | 51 | 73 | 40 | 58 | 33 | 59 | 27 | 34 | 13 |
| 14 | 76 | 52 | 85 | 51 | 63 | 47 | 57 | 29 | 58 | 43 | 33 | 14 |
| 15 | 76 | 50 | 76 | 62 | 59 | 39 | 66 | 48 | 43 | 28 | 23 | 13 |
| 16 | 79 | 47 | 83 | 52 | 66 | 33 | 59 | 52 | 40 | 28 | 27 | 21 |
| 17 | 80 | 57 | 77 | 49 | 73 | 39 | 70 | 52 | 40 | 30 | 27 | 20 |
| 18 | 85 | 58 | 70 | 41 | 85 | 53 | 74 | 56 | 41 | 24 | 32 | 8 |
| 19 | 76 | 59 | 59 | 53 | 84 | 56 | 67 | 52 | 49 | 40 | 34 | 21 |
| 20 | 73 | 51 | 64 | 56 | 77 | 53 | 65 | 50 | 52 | 42 | 35 | 10 |
| 21 | 75 | 44 | 71 | 59 | 87 | 50 | 79 | 47 | 43 | 35 | 37 | 24 |
| 22 | 81 | 47 | 90 | 52 | 75 | 48 | 74 | 48 | 36 | 21 | 43 | 35 |
| 23 | 84 | 49 | 88 | 64 | 78 | 39 | 52 | 43 | 31 | 14 | 47 | 18 |
| 24 | 84 | 54 | 81 | 58 | 90 | 46 | 52 | 39 | 34 | 23 | 28 | 18 |
| 25 | 76 | 60 | 77 | 60 | 83 | 65 | 56 | 33 | 38 | 30 | 30 | 18 |
| 26 | 78 | 56 | 74 | 51 | 67 | 54 | 58 | 40 | 36 | 29 | 41 | 14 |
| 27 | 83 | 64 | 79 | 51 | 68 | 49 | 55 | 35 | 35 | 17 | 35 | 28 |
| 28 | 80 | 57 | 88 | 57 | 70 | 45 | 51 | 29 | 41 | 14 | 35 | 28 |
| 29 | 83 | 51 | 86 | 64 | 74 | 39 | 58 | 29 | 40 | 15 | 35 | 26 |
| 30 | 89 | 52 | 72 | 52 | 78 | 52 | 64 | 35 | 31 | 11 | 29 | 20 |
| 31 | 93 | 62 | 87 | 46 | | | 63 | 41 | | | 39 | 18 |

GROWING DEGREE DAYS - SAGINAW VALLEY RESEARCH FARM

Base 50 (max + min / 2 - 50)

| | <u>APRIL</u> | <u>MAY</u> | <u>JUNE</u> | <u>JULY</u> | <u>AUG</u> | <u>SEPT</u> | <u>OCT</u> | <u>TOTAL</u> |
|----------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|
| 1974 | 62.50 | 143.00 | 391.00 | 529.00 | 458.00 | 218.50 | | 1802.00 |
| 1975 | 30.50 | 307.00 | 445.00 | 543.50 | 491.50 | 168.50 | | 1986.00 |
| 1976 | 113.00 | 151.50 | 537.50 | 596.00 | 500.50 | 276.50 | 72.00 | 2247.00 |
| 1977 | 140.50 | 398.00 | 389.00 | 675.00 | 485.00 | 344.00 | 43.00 | 2474.50 |
| 1978 | 4.00 | 316.50 | 474.50 | 571.50 | 588.50 | 393.50 | 75.00 | 2423.50 |
| 1979 | 47.50 | 228.50 | 458.50 | 577.50 | 479.00 | 330.00 | 116.00 | 2237.00 |
| 1980 | 34.00 | 281.50 | 369.00 | 617.50 | 606.00 | 317.50 | 33.50 | 2259.00 |
| 1981 | 55.50 | 187.00 | 491.00 | 579.50 | 312.00 | 265.00 | 13.50 | 1903.50 |
| 1982 | 54.50 | 428.50 | 365.50 | 626.00 | 476.00 | 298.00 | 156.00 | 2404.50 |
| 1983 | 16.00 | 118.50 | 491.00 | 716.00 | 645.00 | 369.50 | 97.00 | 2453.00 |
| 1984 | 67.50 | 164.50 | 506.00 | 558.50 | 627.00 | 282.00 | 114.50 | 2320.00 |
| 1985 | 183.50 | 306.00 | 388.00 | 603.50 | 523.00 | 394.50 | 100.00 | 2498.50 |
| 1986 | 124.50 | 310.00 | 435.00 | 664.00 | 459.50 | 370.00 | 96.50 | 2459.50 |
| 1987 | 84.00 | 336.50 | 566.50 | 725.50 | 537.50 | 334.00 | 19.50 | 2603.50 |
| 1988 | 35.50 | 290.50 | 544.50 | 739.50 | 667.50 | 283.00 | 48.00 | 2608.50 |
| 1989 | 21.50 | 202.00 | 456.50 | 648.00 | 535.00 | 315.00 | 167.00 | 2345.00 |
| 1990 | 165.50 | 146.00 | 493.50 | 587.50 | 553.50 | 332.50 | 100.50 | 2379.00 |
| 1991 | 144.00 | 423.50 | 541.00 | 641.00 | 567.50 | 289.50 | 114.00 | 2720.50 |
| 1992 | 56.00 | 241.50 | 367.00 | 446.50 | 403.50 | 257.50 | 41.50 | 1813.50 |
| 1993 | 23.50 | 208.00 | 430.00 | 642.00 | 613.50 | 184.50 | 25.00 | 2126.50 |
| 1994 | 95.50 | 227.50 | 526.50 | 613.50 | 501.50 | 380.00 | 115.00 | 2459.50 |
| 1995 | 3.00 | 221.00 | 536.00 | 698.50 | 745.00 | 225.00 | 125.50 | 2554.00 |
| 1996 | 41.00 | 157.00 | 486.00 | 572.00 | 611.00 | 357.50 | 91.50 | 2316.00 |
| 1997 | 27.00 | 48.00 | 534.00 | 596.50 | 443.00 | 299.50 | 134.50 | 2082.50 |
| 1998 | 46.00 | 267.00 | 505.50 | 623.50 | 648.00 | 456.00 | 114.00 | 2660.00 |
| 1999 | 49.50 | 299.00 | 578.50 | 684.50 | 500.00 | 339.00 | 67.50 | 2518.00 |
| 2000 | 17.00 | 284.00 | 474.50 | 509.50 | 544.50 | 289.00 | 157.00 | 2275.50 |
| 2001 | 78.00 | 289.50 | 504.00 | 649.50 | 654.00 | 282.00 | 114.00 | 2571.00 |
| 2002 | 123.00 | 141.50 | 535.00 | 710.00 | 575.00 | 443.00 | 99.00 | 2626.50 |
| 2003 | 66.50 | 147.50 | 410.00 | 606.00 | 608.00 | 312.50 | 82.00 | 2232.50 |
| 2004 | 89.00 | 240.50 | 429.50 | 561.00 | 450.50 | 421.50 | 69.00 | 2261.00 |
| 2005 | 58.00 | 145.00 | 623.00 | 647.50 | 611.50 | 429.00 | 130.00 | 2644.00 |
| 2006 | 79.00 | 283.50 | 470.50 | 661.00 | 555.50 | 260.00 | 38.50 | 2348.00 |
| 2007 | 53.50 | 277.00 | 534.00 | 564.00 | 594.00 | 393.00 | 231.00 | 2646.50 |
| AVERAGE | 67.34 | 241.66 | 479.03 | 617.19 | 546.19 | 320.90 | 93.78 | 2366.09 |