

***B:\Deliver\KDF\KDF\_Crop\_BLYEC3HCHNT.dat***

***The CONTENTS Procedure***

|                            |                                       |                             |         |
|----------------------------|---------------------------------------|-----------------------------|---------|
| <b>Data Set Name</b>       | WORK.KDF_CROP_BLYEC3HCHNT             | <b>Observations</b>         | 4784751 |
| <b>Member Type</b>         | DATA                                  | <b>Variables</b>            | 10      |
| <b>Engine</b>              | V9                                    | <b>Indexes</b>              | 0       |
| <b>Created</b>             | Tuesday, October 04, 2011 12:19:27 PM | <b>Observation Length</b>   | 88      |
| <b>Last Modified</b>       | Tuesday, October 04, 2011 12:19:27 PM | <b>Deleted Observations</b> | 0       |
| <b>Protection</b>          |                                       | <b>Compressed</b>           | NO      |
| <b>Data Set Type</b>       |                                       | <b>Sorted</b>               | NO      |
| <b>Label</b>               |                                       |                             |         |
| <b>Data Representation</b> | WINDOWS_64                            |                             |         |
| <b>Encoding</b>            | wlatin1 Western (Windows)             |                             |         |

| Engine/Host Dependent Information |  |
|-----------------------------------|--|
| <b>Data Set Page Size</b>         | 8192   |
| <b>Number of Data Set Pages</b>   | 52009  |
| <b>First Data Page</b>            | 1  |
| <b>Max Obs per Page</b>           | 92   |
| <b>Obs in First Data Page</b>     | 68   |
| <b>Number of Data Set Repairs</b> | 0  |
| <b>Filename</b>                   | C:\Users\fcbl\AppData\Local\Temp\SAS Temporary Files\_TD6064\kdf_crop_blyec3hchnt.sas7bdat |
| <b>Release Created</b>            | 9.0202M3   |
| <b>Host Created</b>               | X64_VSPRO  |

| Alphabetic List of Variables and Attributes |            |      |     |                        |
|---|------------|------|-----|------------------------|
| #   | Variable   | Type | Len | Label                  |
| 7   | areaunit   | Char | 2   | Area unit              |
| 5   | fcode      | Char | 5   | FIPS state/county code |
| 4   | feedstck   | Char | 15  | Feedstock              |
| 10  | harvested  | Num  | 8   | Harvested area (ac)    |
| 3   | price_trgt | Num  | 8   | Target price (\$/PU)   |
| 9   | production | Num  | 8   | Production             |
| 6   | produnit   | Char | 8   | Production unit (PU)   |
| 2   | scenario   | Char | 15  | Scenario               |

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| Alphabetic List of Variables and Attributes |          |      |     |       |
|---|----------|------|-----|-------|
| #   | Variable | Type | Len | Label |
| 1   | year     | Num  | 8   | Year  |
| 8   | yield    | Num  | 8   | Yield |

**Frequency Tables - B:\Deliver\KDF\KDF\_Crop\_BLYEC3HCHNT.dat*****The FREQ Procedure***

| Year |           |         |                      |                    |
|------|-----------|---------|----------------------|--------------------|
| year | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| 2012 | 251829    | 5.26    | 251829               | 5.26               |
| 2013 | 251829    | 5.26    | 503658               | 10.53              |
| 2014 | 251829    | 5.26    | 755487               | 15.79              |
| 2015 | 251829    | 5.26    | 1007316              | 21.05              |
| 2016 | 251829    | 5.26    | 1259145              | 26.32              |
| 2017 | 251829    | 5.26    | 1510974              | 31.58              |
| 2018 | 251829    | 5.26    | 1762803              | 36.84              |
| 2019 | 251829    | 5.26    | 2014632              | 42.11              |
| 2020 | 251829    | 5.26    | 2266461              | 47.37              |
| 2021 | 251829    | 5.26    | 2518290              | 52.63              |
| 2022 | 251829    | 5.26    | 2770119              | 57.89              |
| 2023 | 251829    | 5.26    | 3021948              | 63.16              |
| 2024 | 251829    | 5.26    | 3273777              | 68.42              |
| 2025 | 251829    | 5.26    | 3525606              | 73.68              |
| 2026 | 251829    | 5.26    | 3777435              | 78.95              |
| 2027 | 251829    | 5.26    | 4029264              | 84.21              |
| 2028 | 251829    | 5.26    | 4281093              | 89.47              |
| 2029 | 251829    | 5.26    | 4532922              | 94.74              |
| 2030 | 251829    | 5.26    | 4784751              | 100.00             |

| Scenario      |           |         |                      |                    |
|---------------|-----------|---------|----------------------|--------------------|
| scenario      | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| BLY+EC3HC_HNT | 4784751   | 100.00  | 4784751              | 100.00             |

**Frequency Tables - B:\Deliver\KDF\KDF\_Crop\_BLYEC3HCHNT.dat****The FREQ Procedure**

| Target price (\$/PU) |           |         |                      |                    |
|----------------------|-----------|---------|----------------------|--------------------|
| price_trgt           | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| 40                   | 531639    | 11.11   | 531639               | 11.11              |
| 45                   | 531639    | 11.11   | 1063278              | 22.22              |
| 50                   | 531639    | 11.11   | 1594917              | 33.33              |
| 55                   | 531639    | 11.11   | 2126556              | 44.44              |
| 60                   | 531639    | 11.11   | 2658195              | 55.56              |
| 65                   | 531639    | 11.11   | 3189834              | 66.67              |
| 70                   | 531639    | 11.11   | 3721473              | 77.78              |
| 75                   | 531639    | 11.11   | 4253112              | 88.89              |
| 80                   | 531639    | 11.11   | 4784751              | 100.00             |

| Feedstock |           |         |                      |                    |
|-----------|-----------|---------|----------------------|--------------------|
| feedstck  | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| Barley    | 531639    | 11.11   | 531639               | 11.11              |
| Corn      | 531639    | 11.11   | 1063278              | 22.22              |
| Cotton    | 531639    | 11.11   | 1594917              | 33.33              |
| Hay       | 531639    | 11.11   | 2126556              | 44.44              |
| Oats      | 531639    | 11.11   | 2658195              | 55.56              |
| Rice      | 531639    | 11.11   | 3189834              | 66.67              |
| Sorghum   | 531639    | 11.11   | 3721473              | 77.78              |
| Soybeans  | 531639    | 11.11   | 4253112              | 88.89              |
| Wheat     | 531639    | 11.11   | 4784751              | 100.00             |

***Frequency Tables - B:\Deliver\KDF\KDF\_Crop\_BLYEC3HCHNT.dat******The FREQ Procedure***

| FIPS state/county code |           |         |                      |                    |
|------------------------|-----------|---------|----------------------|--------------------|
| fcode                  | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| 01                     | 103113    | 2.16    | 103113               | 2.16               |
| 04                     | 23085     | 0.48    | 126198               | 2.64               |
| 05                     | 115425    | 2.41    | 241623               | 5.05               |
| 06                     | 89262     | 1.87    | 330885               | 6.92               |
| 08                     | 98496     | 2.06    | 429381               | 8.97               |
| 09                     | 12312     | 0.26    | 441693               | 9.23               |
| 10                     | 4617      | 0.10    | 446310               | 9.33               |
| 11                     | 1539      | 0.03    | 447849               | 9.36               |
| 12                     | 103113    | 2.16    | 550962               | 11.51              |
| 13                     | 244701    | 5.11    | 795663               | 16.63              |
| 16                     | 67716     | 1.42    | 863379               | 18.04              |
| 17                     | 156978    | 3.28    | 1020357              | 21.33              |
| 18                     | 141588    | 2.96    | 1161945              | 24.28              |
| 19                     | 152361    | 3.18    | 1314306              | 27.47              |
| 20                     | 161595    | 3.38    | 1475901              | 30.85              |
| 21                     | 184680    | 3.86    | 1660581              | 34.71              |
| 22                     | 98496     | 2.06    | 1759077              | 36.76              |
| 23                     | 24624     | 0.51    | 1783701              | 37.28              |
| 24                     | 36936     | 0.77    | 1820637              | 38.05              |
| 25                     | 21546     | 0.45    | 1842183              | 38.50              |
| 26                     | 127737    | 2.67    | 1969920              | 41.17              |
| 27                     | 133893    | 2.80    | 2103813              | 43.97              |
| 28                     | 126198    | 2.64    | 2230011              | 46.61              |
| 29                     | 176985    | 3.70    | 2406996              | 50.31              |
| 30                     | 86184     | 1.80    | 2493180              | 52.11              |
| 31                     | 143127    | 2.99    | 2636307              | 55.10              |
| 32                     | 26163     | 0.55    | 2662470              | 55.64              |
| 33                     | 15390     | 0.32    | 2677860              | 55.97              |
| 34                     | 32319     | 0.68    | 2710179              | 56.64              |
| 35                     | 50787     | 1.06    | 2760966              | 57.70              |
| 36                     | 95418     | 1.99    | 2856384              | 59.70              |

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| FIPS state/county code |           |         |                      |                    |
|------------------------|-----------|---------|----------------------|--------------------|
| fcode                  | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| 37                     | 153900    | 3.22    | 3010284              | 62.91              |
| 38                     | 81567     | 1.70    | 3091851              | 64.62              |
| 39                     | 135432    | 2.83    | 3227283              | 67.45              |
| 40                     | 118503    | 2.48    | 3345786              | 69.93              |
| 41                     | 55404     | 1.16    | 3401190              | 71.08              |
| 42                     | 103113    | 2.16    | 3504303              | 73.24              |
| 44                     | 7695      | 0.16    | 3511998              | 73.40              |
| 45                     | 70794     | 1.48    | 3582792              | 74.88              |
| 46                     | 101574    | 2.12    | 3684366              | 77.00              |
| 47                     | 146205    | 3.06    | 3830571              | 80.06              |
| 48                     | 390906    | 8.17    | 4221477              | 88.23              |
| 49                     | 44631     | 0.93    | 4266108              | 89.16              |
| 50                     | 21546     | 0.45    | 4287654              | 89.61              |
| 51                     | 206226    | 4.31    | 4493880              | 93.92              |
| 53                     | 60021     | 1.25    | 4553901              | 95.18              |
| 54                     | 84645     | 1.77    | 4638546              | 96.94              |
| 55                     | 110808    | 2.32    | 4749354              | 99.26              |
| 56                     | 35397     | 0.74    | 4784751              | 100.00             |

| Production unit (PU) |           |         |                      |                    |
|----------------------|-----------|---------|----------------------|--------------------|
| produnit             | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| bu                   | 3189834   | 66.67   | 3189834              | 66.67              |
| dt                   | 531639    | 11.11   | 3721473              | 77.78              |
| lb                   | 1063278   | 22.22   | 4784751              | 100.00             |

| Area unit |           |         |                      |                    |
|-----------|-----------|---------|----------------------|--------------------|
| areaunit  | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| ac        | 4784751   | 100.00  | 4784751              | 100.00             |

**Summary Statistics - B:\Deliver\KDF\KDF\_Crop\_BLYEC3HCHNT.dat****The MEANS Procedure**

| feedstck | N Obs  | Variable   | N Miss | Minimum | Maximum      | Mean       | Sum          |
|----------|--------|------------|--------|---------|--------------|------------|--------------|
| Barley   | 531639 | production | 0      | 0.00    | 11676300.00  | 77077.27   | 40977284700  |
|          |        | harvested  | 0      | 0.00    | 185400.00    | 1064.74    | 566057000.00 |
|          |        | yield      | 0      | 0.00    | 173.78       | 8.86       | 4708026.96   |
| Corn     | 531639 | production | 0      | 0.00    | 118639600.00 | 5390478.62 | 2.8657887E12 |
|          |        | harvested  | 0      | 0.00    | 407300.00    | 24413.44   | 12979136200  |
|          |        | yield      | 0      | 0.00    | 384.01       | 117.95     | 62708251.11  |
| Cotton   | 531639 | production | 0      | 0.00    | 240310600.00 | 2494954.47 | 1.3264151E12 |
|          |        | harvested  | 0      | 0.00    | 216100.00    | 2548.34    | 1354795800.0 |
|          |        | yield      | 0      | 0.00    | 7779.38      | 126.74     | 67377403.83  |
| Hay      | 531639 | production | 0      | 0.00    | 1072200.00   | 44268.83   | 23535034700  |
|          |        | harvested  | 0      | 0.00    | 312200.00    | 18245.14   | 9699827900.0 |
|          |        | yield      | 0      | 0.00    | 9.33         | 2.26       | 1202451.24   |
| Oats     | 531639 | production | 0      | 0.00    | 2164100.00   | 28454.92   | 15127742800  |
|          |        | harvested  | 0      | 0.00    | 28900.00     | 420.59     | 223599500.00 |
|          |        | yield      | 0      | 0.00    | 159.00       | 18.21      | 9678898.27   |
| Rice     | 531639 | production | 0      | 0.00    | 1639851600.0 | 6954388.01 | 3.6972239E12 |
|          |        | harvested  | 0      | 0.00    | 204900.00    | 878.89     | 467252900.00 |
|          |        | yield      | 0      | 0.00    | 11461.00     | 234.37     | 124601614.16 |
| Sorghum  | 531639 | production | 0      | 0.00    | 8793500.00   | 76401.89   | 40618222800  |
|          |        | harvested  | 0      | 0.00    | 143400.00    | 1251.63    | 665417900.00 |
|          |        | yield      | 0      | 0.00    | 154.00       | 10.00      | 5314289.51   |
| Soybeans | 531639 | production | 0      | 0.00    | 18569900.00  | 993925.21  | 528409403900 |
|          |        | harvested  | 0      | 0.00    | 486300.00    | 20866.69   | 11093546800  |
|          |        | yield      | 0      | 0.00    | 88.00        | 21.81      | 11594840.92  |
| Wheat    | 531639 | production | 0      | 0.00    | 42569400.00  | 718457.99  | 381960285000 |
|          |        | harvested  | 0      | 0.00    | 605800.00    | 15398.72   | 8186560600.0 |
|          |        | yield      | 0      | 0.00    | 130.00       | 30.61      | 16271445.95  |