

CTBT: 2007 Trial  
 Perennial Ryegrass Turf Trial  
 Location: Salem, New Jersey  
 Cooperator: Steve Langlois

2009 Data

|         |                             | Objective Digital Image Analysis Ratings |                          |                          |                            |                      |                           |                               |                                 |                           |                                |
|---------|-----------------------------|--|--------------------------|--------------------------|----------------------------|----------------------|---------------------------|-------------------------------|---------------------------------|---------------------------|--------------------------------|
| SPONSOR | CULTIVAR                    | Percent Green Cover Sept.                | Percent Green Cover Oct. | Average Green Cover 2009 | Average Genetic Color 2009 | Average Density 2009 | Average Turf Quality 2009 | Average Green Cover 2008-2009 | Average Genetic Color 2008-2009 | Average Density 2008-2009 | Average Turf Quality 2008-2009 |
| DLF-IS  | IS-PR 409                   | 23.83                                    | 73.10                    | 7.93                     | 5.57                       | 5.20                 | 5.20                      | 7.80                          | 5.83                            | 5.27                      | 5.53                           |
| PST     | Evolve (PST-2NKM)           | 64.10                                    | 97.50                    | 8.30                     | 5.33                       | 4.93                 | 5.17                      | 7.93                          | 5.53                            | 5.10                      | 5.37                           |
| Rutgers | Soprano                     | 27.53                                    | 85.03                    | 8.00                     | 5.50                       | 5.27                 | 5.27                      | 7.57                          | 5.80                            | 5.33                      | 5.33                           |
| DLF-IS  | IS-PR 342                   | 39.20                                    | 95.20                    | 8.00                     | 5.47                       | 4.50                 | 5.00                      | 7.83                          | 5.83                            | 4.87                      | 5.30                           |
| DLF-IS  | IS-PR 382                   | 42.73                                    | 95.73                    | 7.90                     | 5.23                       | 4.40                 | 4.80                      | 7.70                          | 5.70                            | 4.93                      | 5.23                           |
| NexGen  | Sunstreaker (APR2036)       | 35.37                                    | 89.27                    | 7.83                     | 5.43                       | 4.63                 | 5.20                      | 7.40                          | 5.60                            | 4.80                      | 5.13                           |
| NexGen  | APR2064                     | 51.97                                    | 95.43                    | 7.73                     | 5.33                       | 4.43                 | 4.77                      | 7.67                          | 5.63                            | 4.77                      | 5.13                           |
| DLF-IS  | IS-PR 377                   | 37.27                                    | 89.00                    | 7.90                     | 5.57                       | 4.97                 | 5.27                      | 7.50                          | 5.70                            | 4.80                      | 5.13                           |
| PSG     | Seville 3 (GL3)             | 46.77                                    | 96.53                    | 7.77                     | 5.60                       | 4.30                 | 4.93                      | 7.53                          | 5.87                            | 4.43                      | 5.10                           |
| NexGen  | APR2096                     | 59.80                                    | 98.13                    | 7.97                     | 5.83                       | 5.13                 | 5.47                      | 7.47                          | 5.73                            | 4.53                      | 5.07                           |
| NexGen  | Radiance (APR2037)          | 42.27                                    | 93.80                    | 7.97                     | 5.27                       | 4.13                 | 4.90                      | 7.50                          | 5.60                            | 4.60                      | 5.07                           |
| PST     | Silver Dollar               | 40.67                                    | 93.97                    | 7.80                     | 5.27                       | 4.40                 | 4.90                      | 7.50                          | 5.47                            | 4.60                      | 5.07                           |
| PST     | Gray Goose (PST-2J15)       | 37.60                                    | 87.80                    | 7.63                     | 5.07                       | 4.67                 | 4.80                      | 7.40                          | 5.43                            | 4.97                      | 5.07                           |
| DLF-IS  | IS-PR 410                   | 13.77                                    | 78.23                    | 7.60                     | 5.20                       | 4.37                 | 4.87                      | 7.53                          | 5.67                            | 4.67                      | 5.07                           |
| DLF-IS  | IS-PR 378                   | 18.70                                    | 79.87                    | 7.23                     | 5.33                       | 4.57                 | 4.90                      | 7.57                          | 5.73                            | 4.70                      | 5.07                           |
| DLF-IS  | IS-PR 340                   | 27.10                                    | 79.10                    | 7.77                     | 5.37                       | 4.60                 | 5.07                      | 7.63                          | 5.53                            | 4.53                      | 5.07                           |
| NexGen  | APR2089                     | 28.63                                    | 91.07                    | 7.60                     | 5.03                       | 5.03                 | 4.90                      | 7.47                          | 5.23                            | 5.10                      | 5.03                           |
| Rutgers | HU-1                        | 22.63                                    | 74.60                    | 7.43                     | 5.27                       | 4.20                 | 4.73                      | 7.37                          | 5.47                            | 4.70                      | 5.03                           |
| PSG     | SR 4600                     | 18.43                                    | 62.77                    | 7.27                     | 5.13                       | 4.43                 | 4.63                      | 7.33                          | 5.47                            | 4.83                      | 5.03                           |
| PST     | PST-Syn-2R57                | 63.73                                    | 97.37                    | 7.77                     | 5.00                       | 4.73                 | 4.77                      | 7.43                          | 5.33                            | 5.00                      | 5.03                           |
| NexGen  | APR1959                     | 51.23                                    | 92.73                    | 7.70                     | 5.53                       | 4.27                 | 5.03                      | 7.50                          | 5.70                            | 4.23                      | 5.03                           |
| PSG     | 06-B Lp                     | 22.80                                    | 78.37                    | 7.23                     | 5.33                       | 4.07                 | 4.43                      | 7.23                          | 5.40                            | 4.80                      | 5.00                           |
| DLF-IS  | IS-PR 411                   | 19.47                                    | 75.27                    | 7.57                     | 5.67                       | 4.47                 | 4.93                      | 7.30                          | 5.77                            | 4.53                      | 5.00                           |
| Rutgers | Paragon GLR                 | 16.87                                    | 79.50                    | 7.63                     | 4.93                       | 4.23                 | 4.53                      | 7.40                          | 5.30                            | 4.80                      | 4.97                           |
| PST     | Dominator (PST-2AG4)        | 17.77                                    | 89.13                    | 7.47                     | 5.00                       | 4.60                 | 4.70                      | 7.23                          | 5.43                            | 4.87                      | 4.97                           |
| DLF-IS  | IS-PR 344                   | 19.63                                    | 56.83                    | 7.20                     | 5.67                       | 4.27                 | 4.77                      | 7.20                          | 5.80                            | 4.47                      | 4.97                           |
| Rutgers | 1GSquared                   | 24.33                                    | 87.73                    | 7.63                     | 5.00                       | 4.33                 | 4.60                      | 7.27                          | 5.33                            | 4.77                      | 4.93                           |
| PSG     | 04-10 Lp                    | 16.87                                    | 69.80                    | 7.50                     | 5.13                       | 3.53                 | 4.50                      | 7.30                          | 5.63                            | 4.20                      | 4.93                           |
| PSG     | 06-SP-1                     | 35.03                                    | 88.70                    | 7.53                     | 5.30                       | 4.10                 | 4.53                      | 7.43                          | 5.63                            | 4.40                      | 4.93                           |
| DLF-IS  | AllStar 3                   | 27.43                                    | 82.03                    | 7.57                     | 5.07                       | 4.07                 | 4.63                      | 7.47                          | 5.43                            | 4.37                      | 4.93                           |
| NexGen  | Applaud II                  | 24.67                                    | 70.00                    | 7.77                     | 4.87                       | 4.50                 | 4.73                      | 7.57                          | 5.17                            | 4.77                      | 4.90                           |
| Rutgers | Integra II                  | 28.93                                    | 88.50                    | 7.70                     | 5.27                       | 4.77                 | 4.83                      | 7.33                          | 5.37                            | 4.73                      | 4.90                           |
| Rutgers | LineDrive GLS               | 48.27                                    | 93.40                    | 8.00                     | 5.27                       | 4.80                 | 4.93                      | 7.33                          | 5.27                            | 4.83                      | 4.90                           |
| PSG     | 06-C Lp ACF                 | 41.50                                    | 91.67                    | 7.57                     | 5.30                       | 3.93                 | 4.47                      | 7.37                          | 5.73                            | 4.43                      | 4.90                           |
| DLF-IS  | IS-PR 381                   | 17.47                                    | 81.87                    | 7.80                     | 5.23                       | 4.67                 | 4.90                      | 7.33                          | 5.37                            | 4.63                      | 4.90                           |
| NexGen  | APR1980                     | 14.57                                    | 65.47                    | 7.13                     | 4.83                       | 3.97                 | 4.43                      | 7.07                          | 5.40                            | 4.60                      | 4.87                           |
| NexGen  | Applaud                     | 38.77                                    | 91.70                    | 7.60                     | 5.00                       | 4.40                 | 4.63                      | 7.43                          | 5.20                            | 4.87                      | 4.93                           |
| Rutgers | Jet                         | 58.77                                    | 83.57                    | 7.87                     | 5.10                       | 4.47                 | 4.70                      | 7.37                          | 5.30                            | 4.60                      | 4.87                           |
| PSG     | A01PR Bulk                  | 25.90                                    | 84.03                    | 7.37                     | 5.43                       | 4.50                 | 4.77                      | 7.23                          | 5.53                            | 4.47                      | 4.87                           |
| PST     | PST-2COL                    | 32.53                                    | 86.53                    | 7.40                     | 5.17                       | 3.93                 | 4.43                      | 7.33                          | 5.60                            | 4.37                      | 4.87                           |
| PST     | Gray Fox (PST-2MNG)         | 51.07                                    | 93.83                    | 7.43                     | 4.77                       | 4.07                 | 4.47                      | 7.37                          | 5.30                            | 4.67                      | 4.87                           |
| Rutgers | HP-1                        | 28.10                                    | 76.93                    | 7.83                     | 5.23                       | 4.33                 | 4.87                      | 7.50                          | 5.27                            | 4.40                      | 4.83                           |
| Rutgers | Palmer V                    | 50.50                                    | 97.00                    | 7.17                     | 5.20                       | 3.67                 | 4.27                      | 7.23                          | 5.50                            | 4.23                      | 4.83                           |
| PST     | Rainbow (PST-2TQL)          | 31.23                                    | 83.27                    | 7.07                     | 4.67                       | 4.07                 | 4.63                      | 7.43                          | 5.47                            | 4.67                      | 4.87                           |
| NexGen  | APR1978                     | 36.40                                    | 88.10                    | 7.07                     | 5.00                       | 4.00                 | 4.27                      | 7.33                          | 5.33                            | 4.70                      | 4.80                           |
| NexGen  | APR2032                     | 23.03                                    | 82.13                    | 7.47                     | 5.00                       | 4.17                 | 4.67                      | 7.40                          | 5.17                            | 4.23                      | 4.80                           |
| Rutgers | APR1666                     | 44.30                                    | 90.03                    | 7.57                     | 5.07                       | 4.50                 | 4.67                      | 7.27                          | 5.23                            | 4.63                      | 4.80                           |
| PSG     | MD-07                       | 26.37                                    | 90.10                    | 7.23                     | 5.73                       | 3.77                 | 4.63                      | 7.07                          | 5.97                            | 4.13                      | 4.80                           |
| PST     | PST-2GSB                    | 48.17                                    | 91.60                    | 7.57                     | 4.73                       | 4.43                 | 4.50                      | 7.37                          | 5.07                            | 4.67                      | 4.80                           |
| DLF-IS  | IS-PR 341                   | 16.83                                    | 75.77                    | 7.10                     | 5.17                       | 3.97                 | 4.53                      | 6.97                          | 5.70                            | 4.33                      | 4.80                           |
| DLF-IS  | IS-PR 413                   | 13.03                                    | 81.87                    | 7.10                     | 5.37                       | 4.77                 | 4.37                      | 7.07                          | 5.87                            | 4.40                      | 4.73                           |
| NexGen  | APR2026                     | 22.00                                    | 88.77                    | 7.60                     | 4.77                       | 4.50                 | 4.50                      | 7.20                          | 5.17                            | 4.73                      | 4.73                           |
| NexGen  | APR2035                     | 24.43                                    | 85.43                    | 7.43                     | 4.83                       | 4.07                 | 4.37                      | 7.33                          | 5.13                            | 4.47                      | 4.73                           |
| PSG     | Dasher 3                    | 26.77                                    | 68.93                    | 7.23                     | 5.23                       | 4.43                 | 4.63                      | 6.80                          | 5.43                            | 4.67                      | 4.73                           |
| PSG     | 06-C Lp EDB                 | 21.93                                    | 76.50                    | 6.90                     | 4.80                       | 3.80                 | 4.30                      | 7.03                          | 5.43                            | 4.27                      | 4.73                           |
| NexGen  | APR1965                     | 49.33                                    | 93.70                    | 7.27                     | 4.70                       | 4.27                 | 4.37                      | 7.10                          | 4.90                            | 4.60                      | 4.70                           |
| Rutgers | GL-31                       | 30.33                                    | 87.93                    | 7.40                     | 5.00                       | 3.47                 | 4.23                      | 7.33                          | 5.33                            | 4.23                      | 4.70                           |
| Rutgers | Pizzazz                     | 28.80                                    | 90.37                    | 7.13                     | 5.13                       | 3.57                 | 4.50                      | 7.10                          | 5.37                            | 4.13                      | 4.70                           |
| PSG     | 06-H Lp                     | 38.23                                    | 89.37                    | 7.30                     | 5.23                       | 4.20                 | 4.60                      | 6.87                          | 5.47                            | 4.33                      | 4.80                           |
| PST     | Manhattan 5 GLR             | 33.57                                    | 88.27                    | 7.67                     | 4.83                       | 4.30                 | 4.47                      | 7.43                          | 5.07                            | 4.50                      | 4.70                           |
| NexGen  | APR2031                     | 53.40                                    | 89.47                    | 7.83                     | 5.23                       | 4.17                 | 4.60                      | 7.40                          | 5.40                            | 4.07                      | 4.67                           |
| PSG     | Zoom                        | 33.10                                    | 78.67                    | 7.20                     | 5.10                       | 4.00                 | 4.50                      | 7.13                          | 5.33                            | 4.17                      | 4.67                           |
| PSG     | PM 102                      | 27.97                                    | 69.57                    | 6.83                     | 5.27                       | 4.00                 | 4.40                      | 6.97                          | 5.90                            | 3.70                      | 4.67                           |
| NexGen  | APR2033                     | 25.87                                    | 83.57                    | 7.00                     | 5.30                       | 3.83                 | 4.43                      | 6.97                          | 5.47                            | 4.03                      | 4.63                           |
| PSG     | 04-H Lp                     | 38.83                                    | 90.47                    | 6.53                     | 5.20                       | 3.53                 | 4.10                      | 6.93                          | 5.30                            | 3.90                      | 4.63                           |
| PSG     | 06-Z Lp                     | 34.00                                    | 87.57                    | 7.20                     | 4.43                       | 4.73                 | 4.23                      | 6.87                          | 4.83                            | 5.07                      | 4.83                           |
| PST     | Manhattan 6 (PST-2MAGS)     | 27.90                                    | 84.27                    | 6.77                     | 4.93                       | 4.57                 | 4.50                      | 6.57                          | 5.17                            | 4.73                      | 4.63                           |
| NexGen  | APR1977                     | 52.30                                    | 97.03                    | 7.33                     | 4.77                       | 4.73                 | 4.57                      | 7.07                          | 4.80                            | 4.50                      | 4.60                           |
| Rutgers | Prelude IV                  | 47.97                                    | 89.77                    | 7.43                     | 4.90                       | 4.20                 | 4.50                      | 7.03                          | 5.10                            | 4.33                      | 4.60                           |
| PSG     | 06-J Lp                     | 9.10                                     | 62.37                    | 6.80                     | 5.17                       | 3.43                 | 4.03                      | 6.70                          | 5.57                            | 4.10                      | 4.57                           |
| PST     | PST-Syn-2US7                | 46.57                                    | 89.67                    | 7.53                     | 5.27                       | 4.17                 | 4.63                      | 7.03                          | 5.13                            | 4.20                      | 4.57                           |
| PST     | PST-2TSE                    | 43.80                                    | 95.60                    | 7.70                     | 4.93                       | 3.93                 | 4.40                      | 7.30                          | 5.03                            | 4.17                      | 4.57                           |
| PST     | Evolve (PST-2NKM)S          | 49.13                                    | 93.10                    | 7.30                     | 4.67                       | 3.63                 | 4.07                      | 7.27                          | 5.07                            | 4.17                      | 4.57                           |
| NexGen  | APR2025                     | 28.57                                    | 78.53                    | 7.50                     | 4.83                       | 4.47                 | 4.60                      | 7.00                          | 5.00                            | 4.33                      | 4.53                           |
| NexGen  | APR2034                     | 24.97                                    | 78.70                    | 7.27                     | 5.20                       | 4.03                 | 4.57                      | 7.07                          | 5.23                            | 3.93                      | 4.53                           |
| PSG     | 06-I Lp                     | 19.73                                    | 64.07                    | 6.10                     | 5.17                       | 3.93                 | 4.17                      | 6.40                          | 5.53                            | 4.10                      | 4.53                           |
| PSG     | Calypto III                 | 25.00                                    | 78.17                    | 6.43                     | 5.03                       | 3.90                 | 4.17                      | 6.77                          | 5.43                            | 4.10                      | 4.53                           |
| PSG     | SRX 4TPCS                   | 47.43                                    | 82.40                    | 7.57                     | 4.73                       | 5.03                 | 4.67                      | 6.77                          | 4.93                            | 4.67                      | 4.53                           |
| PST     | Pacific Gem (PST-2MG7) Bulk | 51.70                                    | 91.00                    | 7.37                     | 5.43                       | 3.57                 | 4.27                      | 6.83                          | 5.50                            | 3.97                      | 4.53                           |
| PST     | PST-2LSD                    | 33.57                                    | 80.87                    | 6.97                     | 4.93                       | 3.30                 | 4.00                      | 6.93                          | 5.43                            | 3.97                      | 4.53                           |
| NexGen  | APR2075                     | 58.50                                    | 95.57                    | 7.43                     | 4.50                       | 4.40                 | 4.33                      | 7.13                          | 4.60                            | 4.50                      | 4.50                           |
| NexGen  | APR2090                     | 45.03                                    | 92.63                    | 6.93                     | 4.60                       | 3.67                 | 3.93                      | 7.00                          | 5.03                            | 4.27                      | 4.50                           |
| PST     | PST-Syn-2GR7                | 15.10                                    | 55.00                    | 6.77                     | 4.90                       | 4.00                 | 4.10                      | 6.73                          | 5.10                            | 4.40                      | 4.50                           |
| PST     | Salinas II (PST-Syn-204D)   | 48.97                                    | 93.80                    | 6.70                     | 4.83                       | 3.80                 | 4.00                      | 6.77                          | 5.20                            | 4.27                      | 4.50                           |
| PST     | Plateau (PST-2LAN)          | 43.30                                    | 89.87                    | 7.33                     | 4.60                       | 4.03                 | 4.27                      | 7.13                          | 4.77                            | 4.30                      | 4.50                           |
| DLF-IS  | MBH2                        | 33.57                                    | 87.37                    | 7.27                     | 4.33                       | 4.50                 | 4.47                      | 6.97                          | 4.50                            | 4.70                      | 4.50                           |
| Rutgers | Protege GLR                 | 10.27                                    | 52.87                    | 6.30                     | 4.87                       | 3.83                 | 4.00                      | 6.37                          | 5.30                            | 4.20                      | 4.47                           |
| PSG     | 04-18 Lp                    | 27.63                                    | 65.63                    | 7.07                     | 5.50                       | 3.77                 | 4.43                      | 6.67                          | 5.63                            | 3.77                      | 4.47                           |
| PSG     | 06-K Lp                     | 8.23                                     | 52.47                    | 6.00                     | 4.77                       | 3.83                 | 4.00                      | 6.17                          | 5.47                            | 4.13                      | 4.47                           |
| PST     | PST-21N4                    | 39.33                                    | 79.60                    | 6.43                     | 5.00                       | 3.83                 | 4.23                      | 6.53                          | 5.33                            | 4.03                      | 4.47                           |
| NexGen  | Haven (APR2038)             | 28.60                                    | 82.07                    | 6.57                     | 4.17                       | 3.30                 | 3.67                      | 6.93                          | 4.77                            | 4.20                      | 4.43                           |
| PSG     | SR 45 AB                    | 13.03                                    | 79.27                    | 6.77                     | 4.37                       | 5.23                 | 4.37                      | 6.43                          | 4.47                            | 5.17                      | 4.43                           |
| PST     | PST-2R57S Bulk              | 33.23                                    | 88.20                    | 7.10                     | 4.70                       | 4.10                 | 4.33                      | 6.63                          | 5.03                            | 4.33                      | 4.43                           |
| NexGen  | APR1979                     | 21.23                                    | 73.43                    | 6.53                     | 4.77                       | 3.57                 | 3.93                      | 6.83                          | 5.07                            | 4.03                      | 4.40                           |
| PSG     | Express II (Pick EJ)        | 34.33                                    | 81.90                    | 6.40                     | 4.97                       | 3.27                 | 3.83                      | 6.57                          | 5.43                            | 3.73                      | 4.40                           |
| PST     | PST-2101-07                 | 15.77                                    | 81.03                    | 6.83                     | 4.83                       | 3.57                 | 4.13                      | 6.70                          | 5.10                            | 3.97                      | 4.40                           |
| NexGen  | APR2013                     | 6.00                                     | 57.43                    | 6.13                     | 4.63                       | 3.37                 | 3.63                      | 6.80                          | 5.43                            | 3.73                      | 4.37                           |
| NexGen  | APR2024                     | 23.33                                    | 79.30                    | 7.17                     | 4.43                       | 3.50                 | 3.93                      | 6.77                          | 4.93                            | 4.07                      | 4.33                           |
| PSG     | Penguin 2                   | 34.00                                    | 74.77                    | 7.17                     | 4.50                       | 4.50                 | 4.47                      | 6.83                          | 4.53                            | 4.33                      | 4.33                           |
| PSG     | 06-N Lp                     | 10.80                                    | 44.17                    | 5.13                     | 4.63                       | 2.90                 | 3.23                      | 6.13                          | 5.10                            | 3.57                      | 4.07                           |
| PST     | PST-2R9R-05                 | 35.43                                    | 86.30                    | 6.07                     | 4.53                       | 3.17                 | 3.50                      | 6.23                          | 4.93                            | 3.57                      | 3.97                           |
| PST     | PST-2MAX-07                 | 41.27                                    | 85.13                    | 5.83                     | 4.40                       | 4.00                 | 3.57                      | 5.53                          | 4.80                            | 3.73                      | 3.67                           |
| PST     | PST-2SNS                    | 23.70                                    | 77.93                    | 5.77                     | 4.33                       | 3.37                 | 3.33                      | 5.93                          | 4.40                            | 3.73                      | 3.67                           |
| DLF-IS  | Manhattan II                | 21.40                                    | 85.07                    | 6.73                     | 3.73                       | 4.67                 | 4.00                      | 6.07                          | 3.50                            | 4.03                      | 3.60                           |
| NexGen  | Cutter                      | 48.00                                    | 84.23                    | 6.10                     | 4.30                       | 4.17                 | 3.87                      | 5.40                          | 4.27                            | 3.83</                    |                                |