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# **ON-SITE TESTING OF GRASSES FOR OVERSEEDING OF BERMUDAGRASS FAIRWAYS**

## **INTRODUCTION**

With the initiation of on-site testing of bentgrass and bermudagrass on putting greens, interest is now increasing for the evaluation of other grasses used on golf courses. Grasses are needed that provide exceptional playing surfaces with less pesticides, fertilizer and water. Therefore, grasses that have superior drought, cold, heat, disease and insect resistance need to be identified.

Overseeding bermudagrass fairways is a common practice throughout the southern half of the United States. Millions of pounds of seed are bought and sown each autumn on golf courses in this region. Golf course owners, managers and superintendents seek grasses that establish quickly, exhibit exceptional playability, are aesthetically pleasing and require less inputs. This project evaluates new and established cultivars on bermudagrass fairways at golf courses in the Southern and Western U.S. This on-site testing program will provide scientific information of a more applied nature about cultivars for overseeding.

Information from this project is valuable to the golfing industry because it will determine the adaptation of grasses for golf course use. Information obtained from on-site testing will be of particular value to plant breeders, researchers, extension educators, USGA agronomists, golf course architects, and superintendents who need to select the best adapted cultivars for overseeding in a particular regional climate.

### **Location and Number of Trial Sites**

This evaluation trial is jointly sponsored by the Golf Course Superintendents Association of America (GCSAA), the United States Golf Association (USGA) Green Section and the National Turfgrass Evaluation Program (NTEP). Trial sites are located on golf courses near a land grant university with a turfgrass research program or in a major metropolitan area which is readily accessible to a university turfgrass scientist. Ten evaluation trial sites have been established. Trials are located on active play sites where golfers hit fairway golf shots and/or drive golf carts. Host clubs provide daily maintenance of the fairway site.

### **Trial Specifics**

The NTEP functions as the coordinating agent for the cultivar trials. These trials are two years in duration, established in fall 2004 and again in fall 2000. Trials are conducted under mutually agreed upon guidelines, procedures, and funding outlined in a research agreement agreed to and signed by the appropriate representatives of GCSAA, USGA, and NTEP and each research cooperator (i.e. university turfgrass researcher). Trials are conducted at each location under the leadership of the assigned research cooperator. These persons are responsible for establishing and conducting the trial, and collecting and transferring the data to NTEP according to the research agreement.

Trials are maintained by the golf course superintendent at each location using management procedures common to their golf course, the geographical area and in consultation with the research cooperator. No special management practices are prescribed as these trials are intended to receive real-world golf course conditions and stresses.

## ON-SITE TESTING (continued)

This trial is conducted principally with named cultivars and commercially available blends or mixtures. Various species used in overseeding, such as perennial ryegrass and *poa trivialis* have been allowed. Experimental lines that will be released in the immediate future (i.e. before the end of the testing cycle) were also included in this trial at the sponsoring company's discretion.

The research cooperator is responsible for data collection. The following data has been collected from each trial:

1. Percent establishment rate (4-6 weeks after seeding)
2. Turfgrass quality (monthly during winter, 2 - 4 times per month during the spring and fall transition period)
3. Plot color, genetic color (twice - late fall/early winter and spring)
4. Rate or speed of transition from bermudagrass to overseeded grass in fall (2 - 4 times per month during fall)
5. Rate or speed of transition from overseeded grass to bermudagrass in spring (2 - 4 times per month during spring)
6. Environmental stress, traffic and divoting damage, disease and insect damage and other data deemed appropriate and feasible by the research cooperator.

### Administration

The NTEP administers the program and its funding, sets the advisory committee and gathers their input and recommendations for each species trial. The NTEP organizes and distribute the seed which constitute the entries for each trial location. The NTEP provides the data collection protocols to each site; collects, analyzes and disseminates the performance data in annual and final reports; and conducts an annual site visit for each trial.

For more information or additional copies of reports, please contact:

Kevin Morris, Executive Director  
National Turfgrass Evaluation Program  
Beltsville Agricultural Research Center-West  
Building 003, Room 217  
Beltsville, Maryland 20705 USA

*NTEP reports can also be found on the World Wide Web at <http://www.ntep.org>.*

# TRIAL LOCATIONS - ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAYS

*Sponsored by USGA, GCSAA and NTEP*

COOPERATOR	UNIVERSITY	TRIAL LOCATION	SUPERINTENDENT	GOLF COURSE ADDRESS
Art Bruneau	North Carolina State University art_bruneau@ncsu.edu	Pinehurst	Bob Farren	Pinehurst Resorts P.O. Box 4000 Pinehurst, NC 28374
Dennis Martin & David Gerken	Oklahoma State University hortdm1@okstate.edu	The John E. Kirkpatrick Five-Hole Demonstration Golf Course	David Gerken	Ag Tech Div. OSU-OKC 400 N. Portland Avenue Oklahoma City, OK 73017-6195
Bernd Leinauer	New Mexico State University leinauer@nmsu.edu	New Mexico State Univ. G.C.	Bruce Erhard	MSC 3595 P.O. Box 30001 Las Cruces, NM 88003-8001
Mike Goatley	Virginia Tech goatley@vt.edu	Roanoke Country Club	Dan Wheeler	3360 Country Club Drive NW Roanoke, VA 24017
H. Wayne Philley	Mississippi State University wphilley@pss.msstate.edu	MS State Univ. Golf Course	James Patrick Sneed	MSU Golf Course Box 9623 Mississippi State, MS 39762
Clint Waltz	University of Georgia cwaltz@uga.edu	Eagles Landing Country Club	Cecil Smith	100 Eagle's Landing Way Stockbridge, GA 30281
Grady L. Miller	University of Florida Gainesville gmiller@mail.ifas.ufl.edu	University of Florida GC	Todd Wilkinson	P.O. Box 14485 Gainesville, FL 32604-2485
J. Bryan Unruh	University of Florida Milton jbu@ufl.edu	Osceola Golf Club	Eddie Daigle	300 Tonawanda Drive Pensacola, FL 32506
David Chalmers	Texas A&M University dchalmers@ag.tamu.edu	The Traditions Club at Texas A&M	Sean Hogan	2100 Traditions Blvd. Bryan, TX 77807
David Kopec	University of Arizona dkopec@ag.arizona.edu	Heritage Highlands Golf & C. C (Tucson area)	David Herman, GCSA	5355 W. Winding Desert Drive Marana, AZ 85653
Bruce Martin	Clemson University sbmrtn@clemson.edu	Blackmoor Golf Club (Myrtle Beach area)	Bob Zuecher	6100 Longwood Road Murrells Inlet, SC 29576
Sowyma Mitra Robert Green	Cal-Poly Pomona University of California-Riverside robert.green@ucr.edu	Indian Wells Golf Club	David Hay	46-000 Club Drive Indian Wells, CA 92210

2004 ON-SITE TESTING GRASSES FOR OVERSEEDING OF BERMUDAGRASS FAIRWAYS

Entry List and Sponsors

Entry No.	Name	Species or Composition	Sponsor
1	Charger	Perennial ryegrass	Standard entry
2	Winterplay	poa trivialis	Standard entry
3	ProSelect	40% Jet, 40% Sonata, 20% Integra P. Rye blend	Pennington Seed Company
4	Marvelgreen Supreme	40% Palmer IV, 40% Prelude IV, 40% Sunkissed P. Rye blend	ProSeed Marketing, Inc.
5	ALS2	Perennial ryegrass	LESCO, Inc.
6	PRS2	Perennial ryegrass	LESCO, Inc.
7	Overseeding Eagle Blend	33% Greenville, 33% ProSport, 34% Pacesetter P. Rye blend	LESCO, Inc.
8	Futura 2500	30% Blazer 4 P. Rye, 30% Sunshine II P. Rye, 40% Pick Lh A-00 Intermediate Rye	Pickseed West, Inc.
9	Pick SD	Perennial ryegrass	Pickseed West, Inc.
10	Playmate	50% Headstart 2, 50% Pick HS-01-09 P. Rye blend	TurfOne
11	BMX 020383	Perennial ryegrass	Lewis Seed
12	RAD-OS3	Intermediate ryegrass	Lewis Seed
13	RAM-100	poa trivialis	Lewis Seed
14	IS-OS	Perennial ryegrass	DLF International Seeds
15	Top Hat	Perennial ryegrass	Standard entry
16	IS-IR3	Intermediate ryegrass	DLF International Seeds
17	Champion GQ	34% SR 4550, 33% SR 4420, 33% SR 4220 P. Rye blend	Seed Research of Oregon
18	Magnum Gold	34% Peregrine, 33% Hawkeye, 33% Penguin P. Rye blend	Seed Research of Oregon
19	Flash II	Perennial ryegrass	Mountain View Seed Ltd.
20	Black Cat (MTV-124)	Perennial ryegrass	Mountain View Seed Ltd.
21	Slugger (OS)	Perennial ryegrass	Mountain View Seed Ltd.
22	Confetti (STP)	Perennial ryegrass	Mountain View Seed Ltd.
23	PR 17	Perennial ryegrass	Mountain View Seed Ltd.
24	Starlite	poa trivialis	Mountain View Seed Ltd.
25	Playoff (CRR)	Perennial ryegrass	Novel AG
26	League Master	40% Ringer, 20% Omega 2, 20% 04-BRE, 20% 04-BEN P. Rye blend	Oregro Seeds
27	Edison (OSC110)	Perennial ryegrass	Olsen Seed Co.
28	Whitney (OSC108)	Perennial ryegrass	Olsen Seed Co.
29	Covet	Perennial ryegrass	Olsen Seed Co.
30	Galileo (OSC116)	Perennial ryegrass	Olsen Seed Co.
31	Colt	poa trivialis	Standard entry

TABLE 1A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT MARANA, AZ (HERITAGE HIGHLANDS GOLF & C.C.)

Management information not available for this time.

TABLE 1B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT MARANA, AZ (HERITAGE HIGHLANDS GOLF & C.C.) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2005										WINTER PERCENT COVER OF	
	BERMUDA GRASS		OVERSEED GRASS		BERMUDA GRASS		OVERSEED GRASS		BERMUDA GRASS		OVERSEED GRASS	
	10/16	10/16	10/27	10/27	11/3	11/3	11/10	11/10	11/17	11/17	1/19	1/19
ALS2	16.7	45.0	23.3	71.7	15.0	78.3	14.7	76.7	11.3	85.0	6.0	94.0
PLAYOFF (CRR)	21.7	45.0	25.0	58.3	7.7	85.0	17.3	75.0	15.7	81.7	4.0	96.0
MAGNUM GOLD	21.7	58.3	23.3	70.0	14.3	81.7	9.3	86.7	12.0	86.7	4.7	95.3
OVERSEEDING EAGLE BLEND	25.0	45.0	23.3	63.3	18.0	76.7	10.0	83.3	12.0	81.7	6.0	94.0
COVET	28.3	38.3	26.7	68.3	16.7	75.0	15.0	80.0	13.0	83.3	4.3	95.7
MARVELGREEN SUPREME	26.7	43.3	21.7	73.3	7.0	90.0	8.3	88.3	10.3	91.0	3.0	97.0
TOP HAT	20.0	51.7	31.7	55.0	28.3	65.0	15.3	81.7	9.3	88.3	3.3	96.7
LEAGUE MASTER	35.0	35.0	21.7	68.3	11.7	80.0	11.3	83.3	9.3	86.7	3.7	96.3
CHAMPION GQ	28.3	55.0	36.7	55.0	15.3	81.7	16.0	80.0	15.3	81.7	5.3	94.7
GALILEO (OSC116)	20.0	38.3	20.0	68.3	20.0	73.3	15.0	76.7	12.0	85.0	8.3	91.7
WHITNEY (OSC108)	28.3	30.0	20.0	61.7	11.7	81.7	10.0	85.0	7.7	88.3	5.3	94.7
BLACK CAT (MTV-124)	25.0	36.7	18.3	68.3	13.0	78.3	15.3	78.3	12.3	81.7	7.0	93.0
CONFETTI (STP)	21.7	43.3	16.7	66.7	13.3	76.7	15.7	76.7	9.0	83.3	7.0	93.0
FLASH II	16.7	51.7	26.7	60.0	14.3	80.0	10.0	85.0	6.0	90.0	6.0	94.0
FUTURA 2500	26.7	45.0	21.7	65.0	11.7	80.0	10.7	81.7	9.7	88.3	4.7	95.3
BMX 020383	26.7	33.3	21.7	65.0	9.3	85.0	17.0	78.3	8.0	85.0	5.0	95.0
IS-IR3	21.7	38.3	33.3	53.3	20.0	71.7	14.3	80.0	10.7	86.7	3.3	96.7
PRS2	25.0	48.3	18.3	70.0	14.3	81.7	16.3	76.7	8.3	85.0	6.3	93.7
CHARGER	25.0	33.3	31.7	51.7	15.0	75.0	20.0	75.0	9.7	86.7	4.7	95.3
PLAYMATE	21.7	48.3	16.7	73.3	8.3	85.0	15.0	76.7	10.0	83.3	5.7	94.3
EDISON (OSC110)	21.7	20.0	23.3	63.3	15.0	76.7	19.0	75.0	9.0	85.0	3.7	96.3
PROSELECT	28.3	38.3	25.0	58.3	15.0	75.0	11.0	80.0	6.3	86.7	4.7	95.3
SLUGGER (OS)	16.7	31.7	31.7	53.3	18.3	70.0	23.3	66.7	9.3	80.0	7.3	92.7
RAD-OS3	26.7	35.0	41.7	48.3	21.7	68.3	18.3	75.0	16.7	80.0	3.0	97.0
IS-OS	25.0	26.7	21.7	65.0	19.3	70.0	12.7	80.0	7.7	85.0	6.7	93.3
PICK SD	28.3	30.0	20.0	68.3	12.7	81.7	12.0	80.0	10.0	85.0	13.3	86.7
PR 17	33.3	13.3	16.7	56.7	15.0	70.0	23.3	66.7	11.7	73.3	6.3	93.7
RAM-100	40.0	36.7	31.7	36.7	16.7	60.0	24.0	55.0	20.0	60.0	18.3	81.7
STARLITE	38.3	15.0	30.0	36.7	20.0	53.3	26.7	50.0	16.7	56.7	33.3	66.7
COLT	35.0	28.3	35.0	25.0	21.7	55.0	25.0	55.0	17.7	60.0	31.7	68.3
WINTERPLAY	43.3	18.3	41.7	26.7	18.3	65.0	32.0	56.7	21.0	70.0	20.0	80.0
LSD VALUE	32.4	25.2	23.8	17.2	16.8	15.0	12.9	11.7	15.8	11.6	5.3	5.3
C.V. (%)	40.8	34.2	37.8	17.7	42.3	11.3	39.9	9.6	49.7	8.6	43.8	3.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 1B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT MARANA, AZ (HERITAGE HIGHLANDS GOLF & C.C.) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2006									
	BERMUDA GRASS 4/27	OVERSEED GRASS 4/27	BERMUDA GRASS 5/11	OVERSEED GRASS 5/11	BERMUDA GRASS 6/2	OVERSEED GRASS 6/2	BERMUDA GRASS 6/29	OVERSEED GRASS 6/29	BERMUDA GRASS 7/13	OVERSEED GRASS 7/13
ALS2	3.0	97.0	5.0	95.0	5.3	89.0	33.3	63.3	49.7	24.7
PLAYOFF (CRR)	1.7	98.3	2.3	97.7	5.0	92.0	41.7	57.3	65.7	23.3
MAGNUM GOLD	2.3	97.7	5.0	95.0	4.3	93.0	55.0	44.3	58.3	23.3
OVERSEEDING EAGLE BLEND	1.3	98.7	4.0	96.0	3.0	92.0	45.0	52.3	59.7	21.3
COVET	2.7	97.3	4.7	95.3	4.0	92.0	33.3	66.7	49.0	37.3
MARVELGREEN SUPREME	3.3	96.7	4.3	95.7	5.0	73.0	35.0	63.7	58.0	33.0
TOP HAT	2.3	97.7	4.7	95.3	5.0	91.0	46.7	53.3	60.7	30.7
LEAGUE MASTER	3.3	96.7	4.3	95.7	4.3	82.3	28.3	53.3	53.3	16.0
CHAMPION GQ	3.7	96.3	6.0	94.0	7.0	89.7	51.7	48.3	59.0	37.3
GALILEO (OSC116)	1.7	98.3	3.7	96.3	5.3	87.7	40.0	55.7	59.0	20.7
WHITNEY (OSC108)	3.0	97.0	5.7	94.3	5.0	81.0	28.3	70.0	43.7	38.7
BLACK CAT (MTV-124)	2.7	97.3	5.0	95.0	5.0	61.3	65.0	28.3	83.7	15.3
CONFETTI (STP)	3.0	97.0	4.7	95.3	5.7	82.7	48.3	52.3	63.3	25.0
FLASH II	2.3	97.7	3.3	96.7	7.7	65.7	60.0	33.3	83.3	17.3
FUTURA 2500	1.7	98.3	5.3	94.7	4.3	91.7	38.3	59.3	53.0	29.7
BMX 020383	2.7	97.3	3.7	96.3	4.7	65.3	30.0	63.3	67.7	16.7
IS-IR3	2.0	98.0	4.0	96.0	3.3	91.7	45.0	55.0	57.0	28.7
PRS2	2.3	97.7	4.3	95.7	3.3	69.7	63.3	31.7	83.0	15.3
CHARGER	3.3	96.7	3.3	96.7	4.7	86.3	28.3	59.3	48.7	22.0
PLAYMATE	1.7	98.3	3.3	96.7	4.3	75.7	43.3	55.0	47.3	35.7
EDISON (OSC110)	2.7	97.3	3.7	96.3	5.3	79.7	30.0	64.3	49.7	21.3
PROSELECT	3.7	96.3	4.0	96.0	3.7	89.3	38.3	58.3	48.0	38.0
SLUGGER (OS)	3.0	97.0	5.0	95.0	6.0	86.3	53.3	46.7	68.7	14.3
RAD-OS3	1.0	99.0	3.7	96.3	5.7	78.3	40.0	58.3	55.7	32.3
IS-OS	3.0	97.0	6.0	94.0	6.3	83.0	43.3	50.0	50.3	37.0
PICK SD	3.0	97.0	6.3	93.7	5.7	78.3	43.3	48.3	64.7	23.0
PR 17	3.3	96.7	3.7	96.3	3.7	74.7	46.7	48.3	70.7	20.7
RAM-100	1.0	99.0	6.7	93.3	6.7	33.3	23.3	60.7	76.7	17.3
STARLITE	3.0	97.0	3.0	97.0	6.0	50.7	30.0	65.0	69.7	21.3
COLT	1.7	98.3	6.3	93.7	6.7	55.0	30.0	67.7	84.0	15.7
WINTERPLAY	2.0	98.0	4.7	95.3	5.0	45.0	38.3	49.0	71.3	23.0
LSD VALUE	3.9	3.9	11.1	11.1	8.1	37.3	42.2	49.8	55.8	47.0
C.V. (%)	50.0	1.3	57.5	2.7	43.4	23.4	38.5	30.4	30.5	55.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 1B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
 (CONT'D) 2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
 AT MARANA, AZ (HERITAGE HIGHLANDS GOLF & C.C.) 1/  
 2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE
ALS2	58.0	6.3	6.7	6.7
PLAYOFF (CRR)	51.7	5.7	7.3	6.7
MAGNUM GOLD	64.0	6.3	7.3	6.0
OVERSEEDING EAGLE BLEND	54.0	6.3	7.7	6.0
COVET	53.0	6.3	7.0	6.7
MARVELGREEN SUPREME	58.0	7.0	6.7	7.3
TOP HAT	53.0	5.0	7.0	6.3
LEAGUE MASTER	51.3	6.3	6.7	5.7
CHAMPION GQ	54.7	7.0	6.3	7.0
GALILEO (OSC116)	53.0	6.0	7.7	7.0
WHITNEY (OSC108)	45.7	7.0	6.7	6.7
BLACK CAT (MTV-124)	52.0	6.7	7.0	6.3
CONFETTI (STP)	54.7	6.3	6.7	7.0
FLASH II	55.7	6.0	7.0	6.0
FUTURA 2500	55.0	6.7	7.3	5.7
BMX 020383	48.7	7.0	7.0	6.3
IS-IR3	45.7	5.7	7.3	5.7
PRS2	59.0	6.3	7.3	6.0
CHARGER	42.3	5.3	6.7	5.7
PLAYMATE	60.7	7.3	7.7	6.7
EDISON (OSC110)	41.3	6.3	6.7	6.3
PROSELECT	48.0	6.3	6.7	6.7
SLUGGER (OS)	42.3	6.0	6.7	7.0
RAD-OS3	41.3	5.3	8.0	5.3
IS-OS	45.7	6.7	6.7	5.3
PICK SD	49.0	8.0	7.0	6.3
PR 17	34.7	7.0	6.7	5.3
RAM-100	36.3	4.3	8.0	5.7
STARLITE	25.7	4.3	6.7	5.0
COLT	26.7	4.0	7.7	4.3
WINTERPLAY	22.0	4.0	7.3	5.0
LSD VALUE	15.2	1.2	2.0	1.6
C.V. (%)	18.8	11.8	9.9	13.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 1B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT MARANA, AZ (HERITAGE HIGHLANDS GOLF & C.C.) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL QUALITY RATINGS IN 2005					WINTER QUALITY IN 2006		SPRING/SUMMER QUALITY RATINGS IN 2006					QUALITY MEAN	
	10/16	10/27	11/3	11/10	11/17	1/19	2/21	3/30	4/27	5/11	6/2	6/29		7/13
ALS2	4.7	6.3	6.7	7.3	6.7	6.3	7.7	7.3	6.3	7.3	6.7	7.0	5.0	6.6
PLAYOFF (CRR)	4.0	6.3	6.0	6.7	6.3	6.3	7.0	7.3	7.7	7.7	6.7	7.0	6.3	6.6
MAGNUM GOLD	5.3	6.3	6.0	7.7	7.0	6.3	6.3	7.3	6.7	6.3	6.3	6.7	5.7	6.5
OVERSEEDING EAGLE BLEND	4.7	6.0	6.3	6.0	6.7	6.7	7.7	7.7	7.3	7.3	6.3	6.0	5.3	6.5
COVET	4.3	5.7	6.3	7.0	6.0	6.7	6.3	7.7	7.3	7.3	7.3	7.0	4.7	6.4
MARVELGREEN SUPREME	4.0	7.0	7.0	7.0	8.0	7.0	7.0	7.7	5.7	6.0	5.7	6.0	5.3	6.4
TOP HAT	5.0	5.7	5.3	6.0	6.3	7.0	6.7	7.0	7.0	7.7	7.0	7.3	5.3	6.4
LEAGUE MASTER	4.3	6.0	6.7	6.7	7.7	6.7	7.3	7.0	6.0	7.0	7.0	4.7	4.7	6.3
CHAMPION GQ	4.7	6.3	6.3	6.3	6.0	6.3	7.0	7.0	7.0	6.0	6.3	6.0	5.3	6.2
GALILEO (OSC116)	3.7	5.3	5.7	6.7	7.0	6.3	6.3	6.7	7.3	8.0	6.3	6.0	5.3	6.2
WHITNEY (OSC108)	4.0	5.7	6.0	6.7	7.3	6.7	6.3	7.0	6.0	7.3	5.7	6.3	5.3	6.2
BLACK CAT (MTV-124)	4.0	5.7	6.7	6.7	6.7	5.7	6.7	6.7	6.3	7.0	4.0	6.3	6.7	6.1
CONFETTI (STP)	3.3	6.0	6.3	6.3	6.7	6.0	6.7	7.0	6.0	7.0	4.7	6.7	6.0	6.1
FLASH II	5.0	5.3	5.0	6.7	6.3	6.7	6.3	7.3	5.7	7.0	5.3	6.7	5.7	6.1
FUTURA 2500	4.0	5.3	6.3	6.3	7.0	6.7	7.0	6.7	6.0	6.7	6.7	5.7	4.7	6.1
BMX 020383	3.7	6.3	6.7	6.7	6.3	6.0	7.3	7.7	6.3	5.7	5.0	5.3	5.0	6.0
IS-IR3	4.3	5.0	5.3	6.0	6.0	7.0	5.7	6.0	6.3	6.7	6.7	7.3	5.3	6.0
PRS2	5.0	5.7	6.0	5.7	6.3	6.0	6.7	6.7	6.7	7.0	4.3	5.7	6.7	6.0
CHARGER	4.3	5.0	5.7	6.3	6.3	7.3	6.0	6.0	6.0	7.3	6.0	5.7	5.0	5.9
PLAYMATE	3.7	6.0	6.7	6.0	6.3	5.7	6.0	7.3	5.3	6.7	5.0	6.3	5.7	5.9
EDISON (OSC110)	3.3	5.7	5.7	6.0	6.7	7.0	6.7	6.7	6.3	6.3	5.0	5.7	4.0	5.8
PROSELECT	3.7	5.3	5.7	5.7	6.3	5.7	7.3	7.0	5.7	6.7	5.7	5.7	5.3	5.8
SLUGGER (OS)	3.7	5.3	5.7	6.0	6.3	5.7	5.7	7.0	6.3	6.0	5.3	7.3	5.7	5.8
RAD-OS3	4.3	4.3	4.7	5.3	5.3	7.0	5.7	6.3	5.7	6.3	5.3	6.7	5.3	5.6
IS-OS	4.0	5.3	5.7	5.3	6.7	5.7	5.7	5.7	5.7	5.7	5.3	4.7	5.0	5.4
PICK SD	3.3	6.3	6.3	5.0	6.7	4.7	4.3	6.3	5.7	4.7	5.7	4.0	5.0	5.2
PR 17	2.7	4.3	5.0	5.0	5.0	6.0	6.0	5.3	5.7	6.3	4.3	5.7	5.7	5.2
RAM-100	3.0	3.7	4.0	3.7	4.0	3.7	5.0	6.3	5.3	5.3	2.3	3.7	6.0	4.3
STARLITE	2.3	3.7	4.0	3.3	3.3	3.3	5.0	5.0	4.7	5.3	2.7	5.7	7.0	4.3
COLT	2.7	3.3	4.0	3.3	3.3	3.3	3.3	4.3	3.7	4.3	3.7	5.7	6.0	3.9
WINTERPLAY	2.7	2.7	3.7	4.3	3.3	4.3	4.3	5.0	3.3	4.0	2.7	4.0	5.7	3.8
LSD VALUE	2.0	1.7	1.5	1.6	1.5	1.0	2.1	1.6	2.3	2.6	2.6	2.4	2.2	0.9
C.V. (%)	23.9	17.7	15.0	16.1	14.8	11.1	17.5	13.1	18.5	18.8	25.5	19.6	16.2	9.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT INDIAN WELLS, CA (INDIAN WELLS COUNTRY CLUB)

SEEDBED PREPARATION		FERTILIZATION		
		Date(s)	Product	Rate (lbs./M)
Scalp to stolons				
MOWING		2-Nov-05	Best 12-12-12	.9 lb N/M
		27-Dec-05	Best 22-3-9 NitraKing	1.0 lb N/M
Initial height	3/4"	25-Jan-06	Best 22-3-9 NitraKing	1.0 lb N/M
mowing height during test	1/2"	4-Apr-06	Best 25-5-5	1.3 lb N/M
Frequency	6 days/week	Monthly	AN 20 (Liquid)	0.15 lb N/M
Type of mower	Toro 5400 ReelMaster			
CULTIVATION		FUNGICIDES		
		Date(s)	Product	Rate (oz./M)
Aerification - dates	N/A			
Aerification - type	N/A	N/A		
Verticutting	N/A			
Dates of topdressing	N/A			
Other cultural practices	N/A			
MAINTENANCE PRACTICES		HERBICIDES		
		Date(s)	Product	Rate (oz./M)
OTHER INFORMATION		31-Oct-05	Turflon Esther	.14 oz/M
Course closed for overseeding	Yes			
Landing area	Yes			
Divoting problem	No			
Cart allowed on Test area	Yes			
Traffic patterns	No			
NOTES/COMMENTS		INSECTICIDES		
Primo and Turflon are tank mixed.				
We scalp to the point that only stolons are left. Spread the seed and water every 1.5 hours the first 4 days then gradually reduce the water to night water only after 17 days. We don't do anything special to aid in the transition process.				
		Date(s)	Product	Rate (oz./M)
		10/15-25/05	Dispatch	Accumulative of 2 oz/M (injected)
		31-Oct-05	Primo Maxx	0.25 oz/M
NOTES/COMMENTS		OTHER PRODUCTS		

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 2B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT INDIAN WELLS, CA (INDIAN WELLS COUNTRY CLUB) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2005				COVER OF (2006) DORMANCY LIVING		PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER (2006)							
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	12/1	12/1	12/20	12/20	1/19	1/19	2/8	2/8	3/6	3/6	4/5	4/5	5/10	5/10
SLUGGER (OS)	46.7	53.3	15.0	80.0	0.0	99.0	1.7	94.7	6.7	86.7	45.0	40.0	53.3	33.3
FLASH II	43.3	56.7	11.7	83.3	0.0	89.7	3.3	81.7	6.7	75.0	33.3	33.3	55.0	30.0
PLAYOFF (CRR)	63.3	36.7	13.3	73.0	0.0	95.7	10.0	86.7	6.7	81.7	41.7	38.3	56.7	26.7
IS-IR3	43.3	56.7	11.7	85.0	0.0	96.0	6.7	90.0	5.0	91.7	43.3	35.0	46.7	23.3
TOP HAT	50.0	50.0	11.7	78.3	3.3	96.3	3.3	91.7	6.7	83.3	38.3	38.3	56.7	33.3
PRS2	75.0	25.0	15.0	70.0	0.0	97.0	5.0	82.5	12.5	82.5	42.5	45.0	50.0	42.5
WHITNEY (OSC108)	63.3	36.7	15.0	78.3	0.0	94.3	5.0	85.0	6.7	80.0	35.0	35.0	43.3	36.7
COVET	40.0	60.0	16.7	68.3	1.7	78.0	3.3	76.7	8.3	65.0	31.7	30.0	46.7	30.0
EDISON (OSC110)	60.0	40.0	18.3	75.0	0.0	81.3	3.3	83.3	6.7	65.0	38.3	30.0	56.7	26.7
PLAYMATE	60.0	33.3	15.0	65.0	1.7	94.7	3.3	85.0	8.3	81.7	45.0	33.3	56.7	30.0
PROSELECT	60.0	40.0	16.7	73.3	0.0	92.7	3.3	78.3	6.7	66.7	36.7	31.7	53.3	26.7
BMX 020383	61.7	30.0	18.3	55.0	1.7	94.7	3.3	90.0	5.0	91.7	40.0	48.3	56.7	36.7
FUTURA 2500	60.0	40.0	20.0	65.0	3.3	91.3	5.0	81.7	6.7	78.3	36.7	31.7	53.3	31.7
MAGNUM GOLD	55.0	41.7	15.0	80.0	1.7	79.7	3.3	78.3	8.3	58.3	35.0	28.3	46.7	36.7
RAD-OS3	43.3	53.3	15.0	68.3	0.0	99.0	3.3	88.3	10.0	76.7	33.3	35.0	63.3	23.3
ALS2	60.0	38.3	15.0	70.0	0.0	82.7	5.0	78.3	6.7	58.3	30.0	23.3	40.0	20.0
CHARGER	46.7	51.7	15.0	65.0	0.0	91.3	5.0	76.7	5.0	60.0	25.0	25.0	56.7	26.7
OVERSEEDING EAGLE BLEND	70.0	30.0	20.0	70.0	3.3	89.7	5.0	80.0	6.7	66.7	31.7	33.3	43.3	33.3
GALILEO (OSC116)	55.0	43.3	18.3	68.3	1.7	84.7	5.0	80.0	8.3	68.3	36.7	28.3	53.3	36.7
RAM-100	36.7	63.3	6.7	83.3	3.3	96.0	5.0	91.7	3.3	90.0	36.7	50.0	41.7	45.0
LEAGUE MASTER	63.3	36.7	11.7	71.7	1.7	81.3	3.3	68.3	11.7	60.0	30.0	28.3	50.0	23.3
CONFETTI (STP)	56.7	43.3	13.3	65.0	3.3	78.3	5.0	73.3	10.0	68.3	38.3	28.3	50.0	26.7
MARVELGREEN SUPREME	66.7	30.0	13.3	70.0	0.0	69.7	3.3	75.0	8.3	60.0	31.7	26.7	40.0	26.7
BLACK CAT (MTV-124)	66.7	33.3	18.3	66.7	0.0	76.3	5.0	68.3	8.3	51.7	25.0	21.7	50.0	26.7
CHAMPION GQ	66.7	33.3	15.0	75.0	0.0	78.0	5.0	65.0	10.0	60.0	23.3	20.0	43.3	26.7
PR 17	45.0	55.0	18.3	56.7	1.7	84.7	5.0	70.0	11.7	51.7	26.7	20.0	45.0	25.0
STARLITE	48.3	50.0	13.3	66.7	3.3	88.0	6.7	86.7	5.0	86.7	28.3	28.3	41.7	31.7
IS-OS	56.7	40.0	15.0	79.5	0.0	94.5	5.0	82.5	5.0	80.0	35.0	25.0	50.0	30.0
WINTERPLAY	46.7	53.3	10.0	75.0	3.3	96.3	5.0	91.7	10.0	85.0	40.0	53.3	43.3	40.0
PICK SD	55.0	38.3	18.3	63.3	1.7	78.0	5.0	71.7	6.7	55.0	30.0	30.0	33.3	36.7
COLT	46.7	10.0	11.7	16.7	20.0	30.0	8.3	30.0	13.3	26.7	21.7	20.0	46.7	13.3
LSD VALUE	45.7	39.0	17.2	20.9	4.6	28.6	8.3	29.2	14.1	45.0	41.5	32.0	28.0	26.4
C.V. (%)	27.8	37.7	35.4	16.7	149.2	16.8	57.3	17.7	53.8	27.2	33.6	37.8	20.5	32.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT INDIAN WELLS, CA (INDIAN WELLS COUNTRY CLUB) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	FALL QUALITY IN 2005		WINTER QUALITY 1/5/06	SPRING/SUMMER QUALITY (2006)				QUALITY MEAN
						12/1	12/20		2/8	3/8	4/5	5/10	
SLUGGER (OS)	53.3	7.0	7.0	8.3	7.0	5.7	6.0	7.7	7.3	7.0	6.0	6.0	6.5
FLASH II	75.0	6.7	7.0	6.7	7.3	6.3	6.0	7.3	6.3	6.3	5.7	6.0	6.3
PLAYOFF (CRR)	61.7	7.0	7.0	8.0	6.7	5.3	6.0	6.3	7.0	7.0	6.3	6.0	6.3
IS-IR3	60.0	6.3	7.0	7.3	7.0	5.7	6.3	7.0	7.0	6.7	5.7	5.0	6.2
TOP HAT	63.3	6.7	6.7	8.0	7.0	6.0	5.7	6.7	6.7	6.3	6.0	6.0	6.2
PRS2	55.0	6.0	6.0	7.0	7.5	5.0	5.5	6.5	6.5	6.5	6.5	6.0	6.1
WHITNEY (OSC108)	50.0	6.7	7.0	7.3	7.0	5.3	5.7	7.3	6.7	6.7	5.7	5.7	6.1
COVET	63.3	6.3	6.7	6.7	7.3	6.3	5.3	7.3	6.0	6.3	5.3	5.7	6.0
EDISON (OSC110)	51.7	6.3	7.0	7.3	7.0	5.7	5.7	7.3	7.0	6.0	5.0	5.3	6.0
PLAYMATE	48.3	7.0	6.3	7.7	7.0	5.0	5.7	6.7	6.7	6.7	5.7	5.7	6.0
PROSELECT	61.7	6.7	7.7	7.0	7.0	5.7	6.0	7.0	6.7	5.7	5.3	5.3	6.0
BMX 020383	41.7	7.7	7.0	7.7	7.0	4.7	4.3	5.7	6.7	7.0	6.3	6.3	5.9
FUTURA 2500	50.0	6.7	6.7	7.0	7.0	5.3	5.0	6.3	6.7	6.7	5.7	5.7	5.9
MAGNUM GOLD	51.7	6.7	6.3	7.0	7.0	5.7	5.7	6.7	6.3	6.0	5.0	5.7	5.9
RAD-OS3	61.7	6.3	6.7	7.3	6.7	5.3	5.7	6.7	6.3	6.3	5.3	5.7	5.9
ALS2	55.0	6.7	6.7	6.7	7.0	5.3	6.0	7.0	6.7	6.0	4.7	4.7	5.8
CHARGER	60.0	6.3	7.0	6.7	7.0	5.3	5.7	6.7	6.7	6.0	4.3	5.7	5.8
OVERSEEDING EAGLE BLEND	60.0	6.7	7.0	7.0	7.0	5.0	5.0	6.3	6.7	6.0	5.7	5.7	5.8
GALILEO (OSC116)	43.3	6.3	7.0	7.3	7.0	5.3	5.3	6.7	6.7	5.7	5.0	5.3	5.7
RAM-100	56.7	5.0	5.3	7.3	7.3	5.0	5.7	6.0	5.3	6.0	6.3	5.7	5.7
LEAGUE MASTER	46.7	7.0	6.7	6.3	7.3	5.3	5.7	7.0	6.3	5.0	4.7	5.3	5.6
CONFETTI (STP)	60.0	6.7	6.3	6.3	7.0	5.7	5.0	5.7	5.7	6.3	5.0	5.3	5.5
MARVELGREEN SUPREME	46.7	6.3	6.0	6.3	7.0	5.3	5.3	6.7	6.0	6.0	4.7	4.7	5.5
BLACK CAT (MTV-124)	38.3	6.7	6.0	6.3	7.0	5.0	5.3	6.3	5.7	6.0	4.3	5.3	5.4
CHAMPION GQ	68.3	5.7	5.7	6.7	7.3	5.0	5.7	7.0	5.7	5.7	4.3	4.7	5.4
PR 17	56.7	6.0	6.7	6.3	6.7	5.7	5.3	6.7	5.7	5.3	4.3	5.0	5.4
STARLITE	38.3	5.3	6.3	6.3	7.0	5.0	5.0	5.7	5.7	6.3	5.0	4.7	5.3
IS-OS	65.0	6.0	7.0	7.5	7.0	5.0	6.5	7.0	7.0	6.5	5.0	6.0	5.2
WINTERPLAY	56.7	4.7	5.0	6.7	7.3	5.0	4.7	5.7	5.0	5.3	6.0	5.0	5.2
PICK SD	33.3	6.3	5.7	6.3	7.0	4.7	5.0	5.7	5.3	5.3	4.7	5.0	5.1
COLT	13.3	4.0	2.0	3.0	6.0	3.0	3.0	3.3	4.3	3.7	2.7	4.7	3.5
LSD VALUE	28.0	1.1	1.0	2.6	1.7	1.4	1.3	1.0	1.2	1.4	3.2	2.3	0.9
C.V. (%)	25.8	9.3	10.0	16.6	6.2	13.0	12.3	9.7	10.7	12.0	22.3	13.9	8.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE)

SEEDBED PREPARATION		FERTILIZATION		
	None	Date(s)	Product	Rate (lbs./M)
MOWING		6-Dec-05	-0-0 Urea Liquid + High Mangan	1 Gallon/acre
		3-Jan-06	Coron 28-0-0	1.25 Gallons/acre
Initial height	.450 in.	3-Jan-06	Hi Mag Liquid	1 Gallon/acre
mowing height during test	.450 in.	3-Jan-06	2-0-25 Liquid	1.0 Gallon/acre
Frequency	3 times per week	17-Jan-06	IBDU	200 lbs/acre
Type of mower	Toro Grounds Master 5500	17-Jan-06	14-0-14 Granular	200 lbs/acre
		14-Mar-06	14-0-14 Granular + Ronstar	250 lbs/acre
CULTIVATION		FUNGICIDES		
Aerification - dates	None	Date(s)	Product	Rate (oz./M)
Aerification - type	None			
Verticutting	None			
Dates of topdressing	None	None		
Other cultural practices	None			
MAINTENANCE PRACTICES TO ENHANCE SPRING TRANSITION		HERBICIDES		
	None	Date(s)	Product	Rate (oz./M)
		14-Mar-06	Ronstar	2.4 lbs AI/acre
OTHER INFORMATION		INSECTICIDES		
Course closed for overseeding	no	Date(s)	Product	Rate (oz./M)
Landing area	Yes, evenly distributed over all plots			
Divoting problem	none			
Cart allowed on Test area	yes, after germination of overseed	29-Apr-06	Chipco Choice	25 lbs. product/acre
Traffic patterns	evenly distrubed over all plots			
NOTES/COMMENTS		OTHER PRODUCTS		
		Date(s)	Product	Rate (oz./M)

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 3B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2005									
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	12/13	12/13	12/20	12/20	12/23	12/23	12/27	12/27	1/3	1/3
FLASH II	38.3	61.7	33.3	66.7	30.0	70.0	28.3	71.7	25.0	75.0
BLACK CAT (MTV-124)	40.0	60.0	31.7	68.3	35.0	65.0	33.3	66.7	30.0	70.0
CONFETTI (STP)	38.3	61.7	33.3	66.7	36.7	63.3	31.7	68.3	25.0	75.0
MAGNUM GOLD	38.3	61.7	30.0	70.0	33.3	66.7	30.0	70.0	25.0	75.0
PROSELECT	38.3	61.7	31.7	68.3	33.3	66.7	31.7	68.3	31.7	68.3
FUTURA 2500	41.7	58.3	35.0	65.0	35.0	65.0	33.3	66.7	30.0	70.0
GALILEO (OSC116)	36.7	63.3	31.7	68.3	33.3	66.7	30.0	70.0	26.7	73.3
LEAGUE MASTER	36.7	63.3	33.3	66.7	30.0	70.0	30.0	70.0	33.3	66.7
OVERSEEDING EAGLE BLEND	36.7	63.3	35.0	65.0	31.7	68.3	31.7	68.3	28.3	71.7
ALS2	41.7	58.3	33.3	66.7	38.3	61.7	31.7	68.3	31.7	68.3
BMX 020383	36.7	63.3	33.3	66.7	35.0	65.0	35.0	65.0	31.7	68.3
CHAMPION GQ	38.3	61.7	31.7	68.3	33.3	66.7	33.3	66.7	31.7	68.3
CHARGER	40.0	60.0	38.3	61.7	33.3	66.7	33.3	66.7	30.0	70.0
COVET	40.0	60.0	35.0	65.0	35.0	65.0	35.0	65.0	33.3	66.7
EDISON (OSC110)	41.7	58.3	35.0	65.0	35.0	65.0	35.0	65.0	30.0	70.0
MARVELGREEN SUPREME	41.7	58.3	36.7	63.3	35.0	65.0	30.0	70.0	33.3	66.7
PICK SD	40.0	60.0	33.3	66.7	31.7	68.3	30.0	70.0	30.0	70.0
PLAYMATE	40.0	60.0	31.7	68.3	36.7	63.3	33.3	66.7	28.3	71.7
PLAYOFF (CRR)	38.3	61.7	36.7	63.3	33.3	66.7	33.3	66.7	31.7	68.3
PRS2	40.0	60.0	35.0	65.0	31.7	68.3	31.7	68.3	31.7	68.3
TOP HAT	41.7	58.3	35.0	65.0	31.7	68.3	31.7	68.3	30.0	70.0
WHITNEY (OSC108)	41.7	58.3	36.7	63.3	36.7	63.3	35.0	65.0	30.0	70.0
IS-IR3	41.7	58.3	36.7	63.3	36.7	63.3	35.0	65.0	30.0	70.0
IS-OS	41.7	58.3	36.7	63.3	36.7	63.3	35.0	65.0	33.3	66.7
RAD-OS3	40.0	60.0	35.0	65.0	35.0	65.0	35.0	65.0	30.0	70.0
SLUGGER (OS)	40.0	60.0	35.0	65.0	36.7	63.3	35.0	65.0	33.3	66.7
STARLITE	55.0	45.0	48.3	51.7	48.3	51.7	48.3	51.7	43.3	56.7
WINTERPLAY	66.7	33.3	63.3	36.7	58.3	41.7	53.3	46.7	50.0	50.0
PR 17	66.7	33.3	53.3	46.7	50.0	50.0	48.3	51.7	48.3	51.7
RAM-100	70.0	30.0	56.7	43.3	63.3	36.7	56.7	43.3	51.7	48.3
COLT	73.3	26.7	66.7	33.3	68.3	31.7	63.3	36.7	53.3	46.7
LSD VALUE	9.5	9.5	11.0	11.0	10.6	10.6	10.6	10.6	9.6	9.6
C.V. (%)	14.0	11.0	18.1	11.1	17.5	10.7	18.1	10.2	17.8	8.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER PERCENT COVER OF DORMANCY BERMUDAGRASS AND LIVING OVERSEEDING GRASSES IN 2006									
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	1/14	1/14	1/21	1/21	2/7	2/7	2/16	2/16	2/24	2/24
FLASH II	25.0	75.0	15.0	85.0	11.7	88.3	11.7	88.3	11.7	88.3
BLACK CAT (MTV-124)	26.7	73.3	21.7	78.3	8.3	91.7	10.0	90.0	15.0	85.0
CONFETTI (STP)	26.7	73.3	20.0	80.0	15.0	85.0	10.0	90.0	13.3	86.7
MAGNUM GOLD	25.0	75.0	18.3	81.7	13.3	86.7	13.3	86.7	11.7	88.3
PROSELECT	28.3	71.7	16.7	83.3	13.3	86.7	11.7	88.3	13.3	86.7
FUTURA 2500	26.7	73.3	18.3	81.7	16.7	83.3	13.3	86.7	15.0	85.0
GALILEO (OSC116)	26.7	73.3	18.3	81.7	13.3	86.7	13.3	86.7	11.7	88.3
LEAGUE MASTER	26.7	73.3	21.7	78.3	15.0	85.0	11.7	88.3	15.0	85.0
OVERSEEDING EAGLE BLEND	26.7	73.3	23.3	76.7	15.0	85.0	15.0	85.0	15.0	85.0
ALS2	30.0	70.0	23.3	76.7	13.3	86.7	13.3	86.7	15.0	85.0
BMX 020383	30.0	70.0	18.3	81.7	13.3	86.7	11.7	88.3	15.0	85.0
CHAMPION GQ	28.3	71.7	20.0	80.0	15.0	85.0	13.3	86.7	13.3	86.7
CHARGER	30.0	70.0	20.0	80.0	15.0	85.0	15.0	85.0	13.3	86.7
COVET	30.0	70.0	23.3	76.7	13.3	86.7	11.7	88.3	15.0	85.0
EDISON (OSC110)	26.7	73.3	20.0	80.0	13.3	86.7	11.7	88.3	15.0	85.0
MARVELGREEN SUPREME	31.7	68.3	23.3	76.7	13.3	86.7	15.0	85.0	15.0	85.0
PICK SD	33.3	66.7	18.3	81.7	13.3	86.7	13.3	86.7	13.3	86.7
PLAYMATE	28.3	71.7	20.0	80.0	13.3	86.7	13.3	86.7	13.3	86.7
PLAYOFF (CRR)	28.3	71.7	21.7	78.3	13.3	86.7	13.3	86.7	15.0	85.0
PRS2	30.0	70.0	20.0	80.0	15.0	85.0	11.7	88.3	13.3	86.7
TOP HAT	30.0	70.0	25.0	75.0	15.0	85.0	13.3	86.7	15.0	85.0
WHITNEY (OSC108)	30.0	70.0	23.3	76.7	11.7	88.3	13.3	86.7	13.3	86.7
IS-IR3	31.7	68.3	20.0	80.0	18.3	81.7	16.7	83.3	16.7	83.3
IS-OS	31.7	68.3	20.0	80.0	13.3	86.7	13.3	86.7	15.0	85.0
RAD-OS3	26.7	73.3	20.0	80.0	15.0	85.0	16.7	83.3	15.0	85.0
SLUGGER (OS)	28.3	71.7	20.0	80.0	13.3	86.7	15.0	85.0	15.0	85.0
STARLITE	41.7	58.3	26.7	73.3	23.3	76.7	23.3	76.7	21.7	78.3
WINTERPLAY	51.7	48.3	31.7	68.3	26.7	73.3	21.7	78.3	23.3	76.7
PR 17	45.0	55.0	33.3	66.7	28.3	71.7	26.7	73.3	26.7	73.3
RAM-100	50.0	50.0	31.7	68.3	30.0	70.0	28.3	71.7	28.3	71.7
COLT	48.3	51.7	31.7	68.3	30.0	70.0	28.3	71.7	25.0	75.0
LSD VALUE	11.4	11.4	7.8	7.8	8.8	8.8	7.7	7.7	8.4	8.4
C.V. (%)	21.1	9.7	19.9	5.7	31.6	6.1	29.7	5.3	28.4	5.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2006)									
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	3/6	3/6	3/13	3/13	3/28	3/28	4/4	4/4	4/13	4/13
FLASH II	10.0	90.0	15.0	85.0	21.7	78.3	21.7	78.3	31.7	68.3
BLACK CAT (MTV-124)	11.7	88.3	15.0	85.0	25.0	75.0	23.3	76.7	33.3	66.7
CONFETTI (STP)	11.7	88.3	16.7	83.3	21.7	78.3	25.0	75.0	30.0	70.0
MAGNUM GOLD	11.7	88.3	15.0	85.0	21.7	78.3	26.7	73.3	33.3	66.7
PROSELECT	11.7	88.3	15.0	85.0	21.7	78.3	25.0	75.0	33.3	66.7
FUTURA 2500	13.3	86.7	15.0	85.0	23.3	76.7	26.7	73.3	35.0	65.0
GALILEO (OSC116)	10.0	90.0	13.3	86.7	21.7	78.3	26.7	73.3	31.7	68.3
LEAGUE MASTER	11.7	88.3	13.3	86.7	21.7	78.3	23.3	76.7	33.3	66.7
OVERSEEDING EAGLE BLEND	11.7	88.3	18.3	81.7	26.7	73.3	28.3	71.7	33.3	66.7
ALS2	15.0	85.0	16.7	83.3	26.7	73.3	25.0	75.0	31.7	68.3
BMX 020383	15.0	85.0	16.7	83.3	25.0	75.0	25.0	75.0	31.7	68.3
CHAMPION GQ	13.3	86.7	15.0	85.0	25.0	75.0	26.7	73.3	33.3	66.7
CHARGER	11.7	88.3	13.3	86.7	26.7	73.3	25.0	75.0	36.7	63.3
COVET	10.0	90.0	15.0	85.0	23.3	76.7	23.3	76.7	33.3	66.7
EDISON (OSC110)	11.7	88.3	15.0	85.0	21.7	78.3	26.7	73.3	31.7	68.3
MARVELGREEN SUPREME	11.7	88.3	15.0	85.0	25.0	75.0	25.0	75.0	33.3	66.7
PICK SD	11.7	88.3	13.3	86.7	23.3	76.7	25.0	75.0	30.0	70.0
PLAYMATE	11.7	88.3	13.3	86.7	23.3	76.7	25.0	75.0	26.7	73.3
PLAYOFF (CRR)	10.0	90.0	15.0	85.0	23.3	76.7	23.3	76.7	40.0	60.0
PRS2	10.0	90.0	15.0	85.0	21.7	78.3	26.7	73.3	35.0	65.0
TOP HAT	10.0	90.0	13.3	86.7	23.3	76.7	26.7	73.3	35.0	65.0
WHITNEY (OSC108)	15.0	85.0	15.0	85.0	23.3	76.7	25.0	75.0	35.0	65.0
IS-IR3	13.3	86.7	15.0	85.0	23.3	76.7	28.3	71.7	38.3	61.7
IS-OS	13.3	86.7	13.3	86.7	25.0	75.0	25.0	75.0	38.3	61.7
RAD-OS3	16.7	83.3	15.0	85.0	28.3	71.7	30.0	70.0	41.7	58.3
SLUGGER (OS)	13.3	86.7	15.0	85.0	28.3	71.7	25.0	75.0	35.0	65.0
STARLITE	18.3	81.7	25.0	75.0	28.3	71.7	30.0	70.0	36.7	63.3
WINTERPLAY	21.7	78.3	21.7	78.3	26.7	73.3	31.7	68.3	33.3	66.7
PR 17	23.3	76.7	25.0	75.0	30.0	70.0	31.7	68.3	31.7	68.3
RAM-100	21.7	78.3	30.0	70.0	26.7	73.3	31.7	68.3	35.0	65.0
COLT	25.0	75.0	25.0	75.0	30.0	70.0	31.7	68.3	36.7	63.3
LSD VALUE	9.5	9.5	10.8	10.8	9.2	9.2	11.8	11.8	15.1	15.1
C.V. (%)	34.5	5.5	30.8	6.1	14.9	4.9	15.8	5.7	14.6	7.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
(CONT'D) 2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2006)							
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	4/25	4/25	5/2	5/2	5/12	5/12	5/19	5/19
FLASH II	40.0	60.0	58.3	41.7	70.0	30.0	80.0	20.0
BLACK CAT (MTV-124)	38.3	61.7	56.7	43.3	73.3	26.7	78.3	21.7
CONFETTI (STP)	40.0	60.0	60.0	40.0	71.7	28.3	80.0	20.0
MAGNUM GOLD	41.7	58.3	58.3	41.7	75.0	25.0	81.7	18.3
PROSELECT	38.3	61.7	58.3	41.7	76.7	23.3	78.3	21.7
FUTURA 2500	41.7	58.3	60.0	40.0	73.3	26.7	80.0	20.0
GALILEO (OSC116)	38.3	61.7	63.3	36.7	70.0	30.0	71.7	28.3
LEAGUE MASTER	38.3	61.7	56.7	43.3	73.3	26.7	76.7	23.3
OVERSEEDING EAGLE BLEND	40.0	60.0	60.0	40.0	71.7	28.3	83.3	16.7
ALS2	43.3	56.7	63.3	36.7	73.3	26.7	83.3	16.7
BMX 020383	36.7	63.3	58.3	41.7	73.3	26.7	81.7	18.3
CHAMPION GQ	41.7	58.3	55.0	45.0	73.3	26.7	80.0	20.0
CHARGER	43.3	56.7	63.3	36.7	80.0	20.0	86.7	13.3
COVET	41.7	58.3	61.7	38.3	75.0	25.0	78.3	21.7
EDISON (OSC110)	40.0	60.0	58.3	41.7	75.0	25.0	76.7	23.3
MARVELGREEN SUPREME	41.7	58.3	61.7	38.3	75.0	25.0	80.0	20.0
PICK SD	36.7	63.3	55.0	45.0	70.0	30.0	75.0	25.0
PLAYMATE	36.7	63.3	60.0	40.0	70.0	30.0	76.7	23.3
PLAYOFF (CRR)	45.0	55.0	60.0	40.0	73.3	26.7	83.3	16.7
PRS2	45.0	55.0	61.7	38.3	73.3	26.7	81.7	18.3
TOP HAT	40.0	60.0	65.0	35.0	80.0	20.0	85.0	15.0
WHITNEY (OSC108)	40.0	60.0	56.7	43.3	75.0	25.0	76.7	23.3
IS-IR3	45.0	55.0	56.7	43.3	78.3	21.7	81.7	18.3
IS-OS	46.7	53.3	66.7	33.3	76.7	23.3	85.0	15.0
RAD-OS3	46.7	53.3	70.0	30.0	78.3	21.7	86.7	13.3
SLUGGER (OS)	40.0	60.0	60.0	40.0	78.3	21.7	83.3	16.7
STARLITE	43.3	56.7	63.3	36.7	76.7	23.3	83.3	16.7
WINTERPLAY	46.7	53.3	65.0	35.0	80.0	20.0	88.3	11.7
PR 17	41.7	58.3	61.7	38.3	81.7	18.3	86.7	13.3
RAM-100	40.0	60.0	68.3	31.7	76.7	23.3	81.7	18.3
COLT	43.3	56.7	68.3	31.7	83.3	16.7	90.0	10.0
LSD VALUE	7.1	7.1	12.4	12.4	8.0	8.0	7.3	7.3
C.V. (%)	8.3	5.9	8.6	13.5	5.4	16.3	5.0	21.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	FALL QUALITY RATING IN 2005				1/3/06
	EARLY ESTABLISHED					12/13	12/20	12/23	12/27	
FLASH II	56.7	8.3	7.0	7.7	7.0	6.7	7.0	7.0	7.0	7.3
BLACK CAT (MTV-124)	56.7	8.3	7.3	7.0	7.0	6.3	6.7	6.7	7.0	7.0
CONFETTI (STP)	58.3	7.3	7.0	7.7	7.0	6.3	7.0	7.0	7.0	7.3
MAGNUM GOLD	56.7	7.3	7.3	7.7	7.7	6.0	6.7	6.7	6.7	7.3
PROSELECT	60.0	7.7	7.0	8.0	7.3	6.3	7.0	6.7	6.7	6.7
FUTURA 2500	53.3	7.7	7.0	7.3	7.0	6.0	7.0	6.7	6.7	6.7
GALILEO (OSC116)	60.0	7.7	7.0	7.3	7.3	6.7	6.7	6.3	6.7	7.0
LEAGUE MASTER	56.7	7.3	6.7	7.3	7.3	6.3	6.7	6.7	7.0	6.7
OVERSEEDING EAGLE BLEND	56.7	7.0	7.0	7.3	7.0	6.3	7.0	7.0	7.0	7.0
ALS2	56.7	7.7	7.0	7.0	7.3	6.0	6.7	6.3	6.7	7.0
BMX 020383	58.3	7.7	7.3	7.3	7.0	6.3	6.7	6.0	6.3	6.7
CHAMPION GQ	55.0	7.7	7.0	7.0	7.0	6.3	6.7	7.0	6.7	6.7
CHARGER	58.3	6.0	6.0	7.3	6.7	6.0	7.0	6.3	6.3	6.7
COVET	55.0	7.3	7.0	7.3	7.7	6.0	7.0	6.3	6.3	6.3
EDISON (OSC110)	51.7	7.0	7.0	8.0	7.0	5.7	6.7	6.7	6.3	6.7
MARVELGREEN SUPREME	53.3	8.0	6.7	7.0	7.3	6.3	6.3	6.3	6.7	6.3
PICK SD	58.3	9.0	7.3	7.3	7.3	6.3	6.7	6.7	6.7	6.7
PLAYMATE	60.0	8.0	8.0	7.3	7.0	6.0	7.0	6.3	6.3	7.0
PLAYOFF (CRR)	51.7	7.3	7.0	7.3	7.0	6.3	6.7	6.7	6.3	6.3
PRS2	56.7	7.7	6.7	7.3	7.0	6.0	6.3	7.0	6.7	6.3
TOP HAT	55.0	6.3	6.0	7.3	7.3	6.0	6.7	6.7	7.0	7.0
WHITNEY (OSC108)	53.3	7.0	7.0	7.0	7.0	6.0	7.0	6.0	6.0	6.7
IS-IR3	51.7	6.7	6.7	7.0	6.3	6.3	6.3	6.3	6.3	6.7
IS-OS	51.7	7.0	6.3	7.0	6.7	5.7	6.3	6.3	6.0	6.7
RAD-OS3	55.0	6.0	6.7	7.0	6.3	6.0	6.7	6.3	6.3	6.7
SLUGGER (OS)	55.0	7.3	7.0	7.3	7.0	6.3	7.0	6.0	6.3	6.3
STARLITE	38.3	6.7	6.0	7.3	7.7	5.0	5.0	5.3	5.0	5.3
WINTERPLAY	35.0	5.0	4.3	7.0	8.0	4.0	4.7	4.7	4.7	4.7
PR 17	28.3	6.0	5.0	7.0	7.3	4.7	4.7	5.0	5.0	4.7
RAM-100	25.0	5.3	4.3	7.3	8.7	4.0	4.3	4.0	4.7	4.3
COLT	20.0	5.0	4.7	7.3	8.7	3.7	4.0	4.0	4.0	4.7
LSD VALUE	10.1	0.9	1.0	2.1	0.8	1.2	1.1	0.9	1.0	1.2
C.V. (%)	12.6	8.0	9.2	7.5	6.4	12.2	10.9	8.9	9.6	10.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS IN WINTER PERIOD (2006)					QUALITY RATINGS IN SPRING/SUMMER TRANSITION PERIOD IN 2006								QUALITY MEAN
	1/14	1/21	2/7	2/16	2/24	3/6	3/13	3/28	4/4	4/13	4/25	5/2	5/16	
FLASH II	6.7	8.0	7.7	8.0	7.7	7.7	7.0	7.3	7.3	7.0	7.0	7.0	7.0	7.2
BLACK CAT (MTV-124)	7.0	7.3	8.0	8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1
CONFETTI (STP)	7.0	7.3	7.7	8.0	7.0	7.7	7.0	7.3	7.0	7.0	7.0	7.0	7.0	7.1
MAGNUM GOLD	7.0	7.3	8.0	7.7	7.0	7.7	7.0	7.3	7.3	7.0	7.0	6.7	6.7	7.1
PROSELECT	7.0	7.3	7.7	8.0	7.0	7.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1
FUTURA 2500	7.0	7.3	7.0	7.3	7.3	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
GALILEO (OSC116)	6.7	8.0	8.0	7.0	7.0	7.7	7.0	7.0	6.7	7.0	7.0	6.7	7.0	7.0
LEAGUE MASTER	7.0	7.0	7.3	8.0	7.0	7.7	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0
OVERSEEDING EAGLE BLEND	7.0	7.0	7.3	7.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
ALS2	7.0	7.3	7.3	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
BMX 020383	7.0	7.3	7.7	7.7	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
CHAMPION GQ	7.0	7.0	7.7	7.0	7.0	7.3	7.0	6.7	6.7	7.0	7.0	6.7	7.0	6.9
CHARGER	7.0	7.0	7.0	7.3	7.3	7.0	7.3	6.7	7.0	7.0	7.0	6.7	6.7	6.9
COVET	6.7	7.0	7.7	8.0	7.0	7.7	7.0	7.0	7.0	7.0	7.0	6.7	7.0	6.9
EDISON (OSC110)	7.0	7.0	7.3	7.7	7.0	7.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
MARVELGREEN SUPREME	6.7	7.0	7.7	7.3	7.0	7.3	7.3	6.7	7.0	7.0	7.0	6.7	6.7	6.9
PICK SD	6.3	7.3	7.7	7.3	6.7	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
PLAYMATE	6.7	7.3	7.3	7.3	7.0	7.3	7.3	7.0	7.0	7.0	7.0	7.0	7.0	6.9
PLAYOFF (CRR)	7.0	7.0	7.7	7.7	7.0	7.3	7.3	7.0	7.0	7.0	7.0	6.7	7.0	6.9
PRS2	6.7	7.3	7.7	7.7	6.7	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
TOP HAT	7.0	7.0	7.3	7.3	7.0	7.3	7.0	7.0	7.0	7.0	7.0	6.7	6.7	6.9
WHITNEY (OSC108)	7.0	7.0	7.7	7.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	6.7	7.0	6.9
IS-IR3	6.3	7.0	7.0	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.8
IS-OS	6.7	7.0	7.0	7.7	7.0	7.3	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.8
RAD-OS3	7.0	7.0	7.3	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.8
SLUGGER (OS)	7.0	7.0	7.7	7.0	7.0	7.0	7.0	7.0	6.7	7.0	7.0	6.7	7.0	6.8
STARLITE	5.7	6.0	7.3	6.3	6.3	7.0	7.0	6.7	6.7	7.0	7.0	6.7	6.7	6.2
WINTERPLAY	4.7	6.0	6.7	6.7	6.0	6.3	6.7	7.0	6.7	7.0	7.0	6.7	6.3	5.9
PR 17	4.7	5.3	6.3	6.3	6.0	6.3	6.7	6.0	6.7	7.0	7.0	6.7	6.0	5.8
RAM-100	4.0	5.7	6.0	6.3	6.0	6.7	6.7	6.7	6.3	7.0	7.0	7.0	6.3	5.7
COLT	4.3	5.0	6.3	6.0	5.7	6.0	6.3	6.3	6.3	6.7	6.7	6.3	6.3	5.5
LSD VALUE	1.4	1.3	0.9	1.0	1.2	1.1	1.0	1.2	1.2	0.3	0.3	1.5	0.8	0.6
C.V. (%)	12.2	10.0	6.8	7.3	7.9	7.5	4.6	6.0	5.4	1.5	1.5	5.6	5.3	5.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT PENSACOLA, FL (OSCEOLA GOLF COURSE)

SEEDBED PREPARATION		FERTILIZATION		
		Date(s)	Product	Rate (lbs./M)
None				
MOWING		7-Nov-05	Harrell's 4-15-20	.14 lb N, .22 lb P, .57 lb K
		14-Nov-05	Harrell's 4-15-20	.14 lb N, .22 lb P, .57 lb K
Initial height	.5"	7-Dec-05	Harrell's 4-15-20	.27 lb N, .44 lb P, 1.13 lb N
mowing height during test	.5"	27-Jan-06	Harrell's 16-3-11	1.1 lb N, .62 lb K
Frequency	3X week	22-Feb-06	Harrell's 16-3-11	1.1 lb N, .62 lb K
Type of mower	Toro 3100	27-Feb-06	Lesco 19-0-11 w.86 Pendimethalin	.86 lb N, .42 lb K
		24-May-06	Lesco 19-0-11 w.86 Pendimethalin	.86 lb N, .42 lb K
CULTIVATION		FUNGICIDES		
Aerification - dates	3-Apr-06			
Aerification - type	core	Date(s)	Product	Rate (oz./M)
Verticutting				
Dates of topdressing		None		
Other cultural practices				
		HERBICIDES		
MAINTENANCE PRACTICES TO ENHANCE SPRING		Date(s)	Product	Rate (oz./M)
OTHER INFORMATION		None		
Course closed for overseeding	no	INSECTICIDES		
Landing area	yes			
Divoting problem	no	Date(s)	Product	Rate (oz./M)
Cart allowed on Test area	yes			
Traffic patterns	heavy traffic	None		
		OTHER PRODUCTS		
NOTES/COMMENTS		Date(s)	Product	Rate (oz./M)
I saw more variations in plots this year vs. last year. We did not have a very cold winter, the bermuda never went totally dormant. We had		None		

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 4B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT PENSACOLA, FL (OSCEOLA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD (2005)				WINTER PERCENT COVER OF DORMANCY BERMUDAGRASS AND LIVING OVERSEEDING GRASSES IN 2006					
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	11/29	11/29	12/12	12/12	1/3	1/3	1/20	1/20	1/30	1/30
TOP HAT	60.0	40.0	31.7	68.3	30.0	70.0	16.7	83.3	11.7	88.3
PROSELECT	60.0	40.0	38.3	61.7	30.0	70.0	10.0	90.0	10.0	90.0
MAGNUM GOLD	61.7	38.3	41.7	58.3	28.3	71.7	16.7	83.3	15.0	85.0
BLACK CAT (MTV-124)	65.0	35.0	43.3	56.7	28.3	71.7	18.3	81.7	20.0	80.0
CHAMPION GQ	65.0	35.0	45.0	55.0	26.7	73.3	20.0	80.0	16.7	83.3
COVET	66.7	33.3	43.3	56.7	31.7	68.3	20.0	80.0	16.7	83.3
FUTURA 2500	65.0	35.0	50.0	50.0	30.0	70.0	16.7	83.3	13.3	86.7
GALILEO (OSC116)	65.0	35.0	41.7	58.3	28.3	71.7	18.3	81.7	15.0	81.7
IS-OS	63.3	36.7	36.7	63.3	28.3	71.7	20.0	80.0	15.0	85.0
LEAGUE MASTER	65.0	35.0	43.3	56.7	30.0	70.0	18.3	81.7	16.7	83.3
MARVELGREEN SUPREME	60.0	40.0	45.0	58.3	30.0	70.0	20.0	80.0	16.7	83.3
SLUGGER (OS)	63.3	36.7	41.7	58.3	26.7	73.3	18.3	81.7	18.3	81.7
BMX 020383	65.0	35.0	45.0	55.0	28.3	71.7	16.7	83.3	15.0	85.0
FLASH II	68.3	31.7	43.3	56.7	30.0	70.0	18.3	81.7	16.7	83.3
IS-IR3	66.7	33.3	43.3	56.7	30.0	70.0	20.0	80.0	15.0	85.0
PLAYMATE	63.3	36.7	38.3	51.7	38.3	61.7	16.7	83.3	15.0	85.0
PRS2	65.0	35.0	51.7	48.3	40.0	60.0	20.0	80.0	13.3	86.7
ALS2	66.7	33.3	40.0	60.0	30.0	70.0	20.0	80.0	13.3	86.7
CHARGER	66.7	33.3	38.3	61.7	33.3	66.7	20.0	80.0	15.0	85.0
CONFETTI (STP)	65.0	35.0	36.7	63.3	31.7	68.3	18.3	81.7	21.7	78.3
EDISON (OSC110)	68.3	31.7	41.7	58.3	30.0	70.0	18.3	81.7	18.3	81.7
OVERSEEDING EAGLE BLEND	68.3	31.7	43.3	56.7	31.7	68.3	16.7	83.3	16.7	83.3
PICK SD	65.0	35.0	48.3	51.7	26.7	73.3	20.0	80.0	21.7	78.3
PLAYOFF (CRR)	65.0	35.0	43.3	56.7	30.0	71.7	18.3	81.7	18.3	81.7
PR 17	71.7	28.3	40.0	56.7	30.0	70.0	25.0	75.0	20.0	80.0
RAD-OS3	70.0	30.0	51.7	48.3	41.7	58.3	18.3	81.7	15.0	85.0
WHITNEY (OSC108)	71.7	28.3	50.0	50.0	30.0	70.0	21.7	78.3	15.0	81.7
RAM-100	86.7	13.3	68.3	31.7	45.0	55.0	30.0	70.0	21.7	78.3
WINTERPLAY	80.0	20.0	66.7	33.3	41.7	58.3	36.7	66.7	28.3	71.7
STARLITE	86.7	13.3	70.0	30.0	53.3	46.7	38.3	61.7	28.3	71.7
COLT	81.7	18.3	75.0	25.0	45.0	55.0	36.7	63.3	26.7	73.3
LSD VALUE	8.4	8.4	14.6	12.2	13.7	13.7	8.7	8.5	13.4	8.8
C.V. (%)	7.7	16.2	18.8	14.2	21.8	10.6	25.2	6.4	33.4	5.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT PENSACOLA, FL (OSCEOLA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2006													
	BERMUDA GRASS 2/14	OVERSEED GRASS 2/14	BERMUDA GRASS 3/1	OVERSEED GRASS 3/1	BERMUDA GRASS 3/14	OVERSEED GRASS 3/14	BERMUDA GRASS 3/28	OVERSEED GRASS 3/28	BERMUDA GRASS 5/11	OVERSEED GRASS 5/11	BERMUDA GRASS 5/26	OVERSEED GRASS 5/26	OVERSEED GRASS 6/7	
TOP HAT	6.7	93.3	6.7	93.3	6.7	93.3	13.3	86.7	16.7	63.3	65.0	18.3	17.7	
PROSELECT	6.7	93.3	5.0	95.0	8.3	91.7	26.7	73.3	20.0	66.7	56.7	18.3	18.3	
MAGNUM GOLD	10.0	90.0	5.0	95.0	5.0	95.0	25.0	75.0	13.3	66.7	63.3	13.3	21.7	
BLACK CAT (MTV-124)	13.3	86.7	10.0	90.0	10.0	90.0	21.7	78.3	16.7	70.0	73.3	18.3	9.3	
CHAMPION GQ	11.7	88.3	8.3	91.7	8.3	91.7	15.0	85.0	20.0	70.0	61.7	20.0	14.7	
COVET	11.7	88.3	6.7	93.3	8.3	91.7	25.0	75.0	16.7	56.7	65.0	15.0	16.7	
FUTURA 2500	13.3	86.7	8.3	91.7	11.7	88.3	28.3	71.7	16.7	63.3	61.7	20.0	16.0	
GALILEO (OSC116)	15.0	85.0	6.7	93.0	6.7	93.0	21.7	78.3	16.7	66.7	70.0	16.7	13.7	
IS-OS	10.0	90.0	5.0	94.7	11.7	86.7	23.3	76.7	16.7	63.3	66.7	11.7	18.3	
LEAGUE MASTER	13.3	86.7	6.7	93.3	6.7	93.3	18.3	81.7	20.0	53.3	65.0	18.3	10.7	
MARVELGREEN SUPREME	11.7	88.3	6.7	93.3	6.7	93.3	16.7	83.3	23.3	63.3	60.0	20.0	9.3	
SLUGGER (OS)	11.7	88.3	8.3	91.7	8.3	91.7	20.0	80.0	20.0	56.7	63.3	20.0	13.3	
BMX 020383	15.0	85.0	5.0	95.0	5.0	95.0	23.3	76.7	16.7	60.0	61.7	16.7	7.3	
FLASH II	13.3	86.7	8.3	91.7	8.3	91.7	20.0	80.0	20.0	66.7	68.3	16.7	15.0	
IS-IR3	10.0	90.0	5.0	95.0	5.0	95.0	15.0	85.0	23.3	50.0	65.0	11.7	18.3	
PLAYMATE	16.7	83.3	8.3	91.7	8.3	91.7	20.0	76.7	26.7	50.0	61.7	16.7	6.0	
PRS2	8.3	91.7	6.7	93.0	6.7	93.0	25.0	75.0	30.0	60.0	61.7	16.7	5.7	
ALS2	10.0	90.0	6.7	93.3	6.7	93.3	21.7	78.3	23.3	70.0	60.0	13.3	6.7	
CHARGER	15.0	85.0	8.3	91.7	8.3	91.7	13.3	86.7	20.0	53.3	66.7	15.0	9.0	
CONFETTI (STP)	13.3	86.7	8.3	91.7	8.3	91.7	25.0	75.0	20.0	60.0	71.7	15.0	4.3	
EDISON (OSC110)	18.3	81.7	8.3	91.7	8.3	91.7	16.7	83.3	23.3	53.3	61.7	16.7	10.0	
OVERSEEDING EAGLE BLEND	11.7	88.3	6.7	93.3	10.0	90.0	26.7	73.3	20.0	66.7	63.3	20.0	10.7	
PICK SD	13.3	86.7	10.0	90.0	13.3	86.7	20.0	80.0	20.0	56.7	63.3	20.0	6.3	
PLAYOFF (CRR)	11.7	88.3	6.7	93.3	6.7	93.3	23.3	76.7	20.0	63.3	66.7	16.7	10.0	
PR 17	11.7	88.3	10.0	90.0	10.0	90.0	25.0	75.0	20.0	61.7	51.7	18.3	11.0	
RAD-OS3	10.0	90.0	5.0	95.0	5.0	95.0	20.0	80.0	23.3	50.0	63.3	13.3	2.0	
WHITNEY (OSC108)	18.3	81.7	10.0	90.0	10.0	90.0	26.7	73.3	20.0	46.7	66.7	13.3	12.3	
RAM-100	21.7	78.3	15.0	85.0	15.0	85.0	20.0	80.0	26.7	46.7	65.0	13.3	3.7	
WINTERPLAY	21.7	78.3	15.0	85.0	15.0	85.0	26.7	73.3	23.3	43.3	56.7	11.7	2.3	
STARLITE	15.0	85.0	13.3	86.7	20.0	80.0	25.0	75.0	36.7	40.0	51.7	18.3	1.7	
COLT	23.3	76.7	16.7	83.3	16.7	83.3	30.0	70.0	26.7	43.3	60.0	15.0	4.7	
LSD VALUE	13.4	13.4	11.3	11.1	13.9	14.4	17.4	14.1	20.2	32.4	36.0	16.7	31.2	
C.V. (%)	41.6	6.4	53.2	4.7	57.3	5.9	29.8	7.6	33.8	21.4	15.2	29.9	90.5	

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT PENSACOLA, FL (OSCEOLA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	OVERSEEDING GRASS COLOR RATINGS IN 2005-06							OVERSEEDING GRASS DENSITY RATINGS IN 2005-06						
	DEC	JAN	FEB	MAR	APR	MAY	JUN	DEC	JAN	FEB	MAR	APR	MAY	JUN
TOP HAT	4.3	5.0	6.7	7.0	7.3	7.7	3.7	4.7	5.0	7.0	7.0	7.7	7.3	3.0
PROSELECT	4.3	5.0	7.0	7.7	7.3	6.7	2.3	4.7	5.0	7.0	7.7	7.3	5.7	2.3
MAGNUM GOLD	4.3	5.0	7.0	7.0	7.7	7.0	3.3	4.0	5.3	6.7	7.0	7.7	6.3	3.3
BLACK CAT (MTV-124)	5.0	5.0	7.0	7.0	8.0	7.0	2.7	4.7	5.0	6.3	6.7	7.3	6.3	2.0
CHAMPION GQ	4.0	5.3	7.0	7.0	7.7	7.3	3.7	4.0	5.3	6.7	7.0	7.0	5.7	3.0
COVET	4.0	5.0	7.0	7.0	7.0	7.0	2.0	4.0	5.0	7.0	7.0	7.3	6.3	2.0
FUTURA 2500	4.0	5.7	7.0	7.0	7.7	6.0	3.3	4.0	5.3	6.7	7.0	7.3	5.0	2.7
GALILEO (OSC116)	4.3	5.0	7.0	6.3	6.7	6.7	3.0	4.3	5.0	6.7	7.3	6.7	5.0	3.0
IS-OS	4.7	5.3	7.0	7.3	7.0	6.7	1.7	4.3	5.3	6.7	7.3	7.3	6.3	1.7
LEAGUE MASTER	3.0	5.0	7.0	7.0	7.0	7.0	3.0	4.3	5.0	7.0	7.3	6.7	5.3	2.3
MARVELGREEN SUPREME	4.3	5.0	7.0	7.3	7.7	6.3	3.3	4.7	5.0	6.3	7.0	7.3	5.3	3.0
SLUGGER (OS)	4.3	5.3	6.7	7.3	7.0	7.7	3.0	4.3	5.0	6.7	7.0	7.0	6.7	2.7
BMX 020383	4.0	5.3	7.0	7.0	7.0	6.7	2.7	4.0	5.3	6.7	7.0	6.7	5.7	2.3
FLASH II	4.0	5.0	7.0	7.3	7.3	7.3	2.3	4.0	5.3	6.3	7.3	7.0	5.7	2.0
IS-IR3	4.3	5.0	7.0	7.7	7.7	6.7	2.3	4.3	4.7	6.7	7.0	7.7	5.3	2.7
PLAYMATE	4.3	5.3	7.0	6.7	6.7	6.0	3.3	4.3	5.7	7.0	7.0	6.7	4.3	2.7
PRS2	4.0	5.0	7.0	6.7	7.0	5.7	2.7	4.0	5.0	7.0	7.0	7.0	5.0	2.7
ALS2	4.0	5.0	7.0	7.7	7.0	6.0	1.7	4.0	5.0	7.0	7.3	7.0	4.3	2.3
CHARGER	4.0	5.0	6.0	7.0	7.0	5.7	2.3	4.3	5.0	6.3	6.7	7.0	4.7	2.0
CONFETTI (STP)	4.0	5.0	6.7	7.0	7.0	7.0	2.3	4.3	5.0	6.0	6.3	7.3	4.7	2.0
EDISON (OSC110)	4.0	5.0	6.7	7.0	7.0	6.7	2.3	4.0	5.0	6.3	7.0	6.7	5.7	2.0
OVERSEEDING EAGLE BLEND	4.0	5.0	6.7	7.0	7.7	5.7	2.0	4.0	5.0	7.0	7.0	7.3	4.0	2.0
PICK SD	4.3	6.0	7.0	8.0	7.7	5.7	3.0	4.3	5.7	6.7	7.0	6.7	4.3	2.3
PLAYOFF (CRR)	4.0	5.0	7.0	7.0	7.0	6.0	1.7	4.0	5.3	6.7	7.0	7.0	3.7	1.7
PR 17	4.3	4.7	7.0	7.7	7.0	6.0	2.7	4.0	4.7	6.3	7.0	6.3	4.0	2.7
RAD-OS3	4.0	5.0	6.3	6.7	6.3	4.7	2.0	4.0	4.7	7.0	7.0	6.7	3.7	2.0
WHITNEY (OSC108)	4.3	5.0	7.0	7.3	6.7	6.0	2.0	4.0	5.0	6.3	6.7	7.0	4.7	1.7
RAM-100	4.0	4.0	6.0	6.3	5.3	5.0	1.7	3.3	4.0	6.0	6.7	6.3	4.0	1.7
WINTERPLAY	3.7	3.7	5.3	6.3	5.7	5.7	2.0	2.7	3.7	5.3	5.7	7.0	5.3	2.3
STARLITE	3.7	4.7	5.3	6.0	5.0	4.7	2.3	3.0	4.3	5.7	6.3	6.0	3.7	2.0
COLT	4.0	4.0	5.0	7.0	5.3	5.3	2.7	3.7	3.0	5.0	6.3	5.7	4.7	2.3
LSD VALUE	2.2	0.7	0.5	1.3	0.9	1.8	3.0	0.7	0.7	1.0	1.4	1.1	3.7	3.4
C.V. (%)	15.1	8.1	5.2	8.3	8.2	14.5	38.4	10.3	8.8	8.1	7.9	7.8	27.4	38.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 4B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT PENSACOLA, FL (OSCEOLA GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	LEAF TEXTURE	FALL QUALITY IN 2005		WINTER QUALITY (2006)			QUALITY RATINGS IN SPRING/SUMMER TRANSITION PERIOD IN 2006									QUALITY MEAN
		11/29	11/29	1/3	1/20	1/30	2/14	3/1	3/14	3/28	4/10	4/28	5/11	5/26	6/7	
TOP HAT	5.7	4.7	5.0	5.0	6.0	6.7	7.0	6.7	8.0	7.7	6.7	7.7	6.0	3.3	3.3	6.0
PROSELECT	6.0	4.3	4.3	5.0	6.0	7.0	7.0	7.7	8.0	7.3	6.7	6.7	7.0	2.3	3.7	5.9
MAGNUM GOLD	6.3	4.0	4.0	5.3	6.3	6.7	7.0	7.0	7.3	7.7	7.0	6.7	6.0	3.3	3.3	5.8
BLACK CAT (MTV-124)	6.0	4.3	4.0	5.0	6.0	6.3	6.3	6.7	7.3	7.3	7.3	7.0	6.3	2.3	3.3	5.7
CHAMPION GQ	6.0	4.0	4.0	5.3	6.0	6.7	6.7	7.0	7.3	7.3	6.7	6.7	6.3	2.7	3.3	5.7
COVET	5.7	4.0	4.0	5.0	6.0	7.0	7.0	7.0	7.7	7.0	7.0	6.3	6.0	2.0	4.0	5.7
FUTURA 2500	6.3	4.0	4.0	5.3	6.0	6.7	6.7	7.0	7.7	7.3	6.7	5.7	6.3	2.7	3.7	5.7
GALILEO (OSC116)	6.0	4.3	4.3	5.0	6.0	6.7	6.7	7.3	7.3	6.7	6.7	6.0	6.3	2.7	4.0	5.7
IS-OS	5.7	4.0	4.3	5.3	6.0	6.7	6.7	7.3	8.0	7.0	6.7	6.7	6.0	1.7	3.3	5.7
LEAGUE MASTER	6.0	4.0	4.0	5.0	6.0	7.0	6.7	7.0	8.0	6.7	7.0	6.7	6.0	2.3	3.3	5.7
MARVELGREEN SUPREME	6.0	4.0	4.7	5.0	6.0	6.3	6.3	7.0	7.7	7.0	6.3	6.0	6.0	3.0	4.0	5.7
SLUGGER (OS)	6.0	4.0	4.0	5.0	6.0	6.7	6.7	7.0	7.7	7.0	6.7	7.3	5.3	2.7	4.0	5.7
BMX 020383	6.3	4.0	4.3	5.3	6.0	6.7	6.3	7.0	7.7	6.7	6.7	6.0	6.0	2.3	3.3	5.6
FLASH II	6.3	4.0	4.0	5.0	6.0	6.3	6.7	7.3	7.7	7.0	6.7	6.3	6.3	2.0	3.0	5.6
IS-IR3	5.3	4.3	4.0	4.7	5.7	6.7	6.7	7.0	7.7	7.7	7.0	6.0	6.0	2.3	3.3	5.6
PLAYMATE	6.0	4.3	4.3	5.7	6.0	7.0	6.3	7.0	7.7	6.7	6.3	5.3	5.7	2.7	3.7	5.6
PRS2	5.7	4.0	4.0	5.0	6.0	7.0	6.7	7.0	7.7	7.0	6.0	5.3	6.3	2.7	3.7	5.6
ALS2	6.3	4.0	4.7	5.0	5.7	7.0	6.7	7.3	7.3	7.0	6.0	5.3	6.7	2.0	3.0	5.5
CHARGER	6.0	4.0	4.7	5.0	5.3	6.3	6.7	6.7	8.0	7.0	6.3	5.7	5.7	2.0	4.0	5.5
CONFETTI (STP)	6.3	4.0	4.7	5.0	5.3	6.0	6.7	6.3	7.7	7.0	6.0	6.0	6.0	2.0	4.3	5.5
EDISON (OSC110)	6.7	4.0	4.3	5.0	6.0	6.3	6.3	7.0	7.3	6.7	6.7	6.3	5.7	2.0	3.0	5.5
OVERSEEDING EAGLE BLEND	6.3	4.0	4.0	5.0	6.0	6.7	7.0	7.0	7.3	7.3	6.0	5.0	5.7	2.0	4.0	5.5
PICK SD	6.7	4.3	4.3	5.7	5.7	6.7	6.7	7.0	7.3	6.7	6.3	5.0	5.7	2.7	3.3	5.5
PLAYOFF (CRR)	6.7	4.0	4.3	5.3	5.7	6.7	6.7	7.0	7.3	7.0	6.0	5.0	7.0	1.7	3.7	5.5
PR 17	5.7	4.0	4.0	4.7	6.0	6.3	7.0	7.0	7.3	6.3	6.3	5.3	5.7	2.7	4.3	5.5
RAD-OS3	5.7	4.0	4.0	4.7	5.7	7.0	6.7	7.0	7.7	6.7	5.7	4.0	6.0	1.7	4.0	5.3
WHITNEY (OSC108)	6.3	4.0	4.0	5.0	6.0	6.3	6.0	6.7	7.0	6.7	6.0	5.7	5.3	2.0	3.0	5.3
RAM-100	7.0	3.3	3.3	4.0	4.7	6.0	6.0	6.3	7.0	6.0	5.7	4.3	5.0	1.7	3.3	4.8
WINTERPLAY	7.3	3.3	4.0	3.7	5.0	5.3	6.0	6.0	6.3	6.3	5.7	5.3	4.0	2.3	3.7	4.8
STARLITE	7.0	3.3	3.3	4.3	4.7	5.7	6.3	6.0	6.7	5.3	6.0	4.0	4.7	2.0	4.0	4.7
COLT	8.0	3.3	3.3	3.0	5.0	5.0	5.7	5.7	6.3	5.7	6.3	5.0	4.3	2.3	3.0	4.6
LSD VALUE	1.3	0.7	0.7	0.7	0.7	1.1	1.5	0.9	1.1	1.0	2.0	2.6	3.1	3.6	2.4	0.5
C.V. (%)	10.5	8.6	9.7	8.6	6.9	8.4	8.0	7.0	6.9	8.2	10.7	19.9	18.2	40.4	19.8	5.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT STOCKBRIDGE, GA (EAGLES LANDING COUNTRY CLUB)

Management information not available for this time.

TABLE 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT STOCKBRIDGE, GA (EAGLES LANDING COUNTRY CLUB) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2005				WINTER PERCENT COVER OF (2005)		PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER (2006)					
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	DORMANCY	LIVING	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	11/16	11/16	11/30	11/30	12/21	12/21	2/2	2/2	3/29	3/29	6/30	6/30
CHAMPION GQ	20.0	80.0	20.0	80.0	20.0	80.0	23.3	76.7	33.3	66.7	76.7	23.3
BMX 020383	20.0	80.0	20.0	80.0	26.7	73.3	26.7	73.3	36.7	63.3	73.3	26.7
EDISON (OSC110)	20.0	80.0	16.7	83.3	16.7	83.3	26.7	73.3	23.3	76.7	76.7	23.3
GALILEO (OSC116)	26.7	73.3	16.7	83.3	23.3	76.7	26.7	73.3	20.0	80.0	73.3	26.7
MARVELGREEN SUPREME	26.7	73.3	20.0	80.0	20.0	80.0	20.0	80.0	23.3	76.7	83.3	16.7
PICK SD	26.7	73.3	26.7	73.3	26.7	73.3	33.3	66.7	33.3	66.7	73.3	26.7
PLAYMATE	26.7	73.3	26.7	73.3	30.0	70.0	30.0	70.0	33.3	66.7	73.3	26.7
PR 17	23.3	76.7	23.3	76.7	20.0	80.0	23.3	76.7	26.7	73.3	70.0	30.0
CONFETTI (STP)	23.3	76.7	20.0	80.0	20.0	80.0	23.3	76.7	26.7	73.3	76.7	23.3
COVET	30.0	70.0	20.0	80.0	20.0	80.0	23.3	76.7	23.3	76.7	73.3	26.7
SLUGGER (OS)	26.7	73.3	20.0	80.0	33.3	80.0	20.0	80.0	23.3	76.7	76.7	23.3
FUTURA 2500	26.7	73.3	23.3	76.7	23.3	76.7	26.7	73.3	23.3	76.7	76.7	23.3
IS-OS	26.7	73.3	30.0	70.0	23.3	76.7	20.0	80.0	23.3	76.7	76.7	23.3
LEAGUE MASTER	16.7	83.3	20.0	80.0	23.3	76.7	23.3	76.7	23.3	76.7	76.7	23.3
MAGNUM GOLD	33.3	66.7	23.3	76.7	20.0	80.0	26.7	73.3	26.7	73.3	76.7	23.3
PLAYOFF (CRR)	26.7	73.3	26.7	73.3	23.3	76.7	26.7	73.3	26.7	73.3	83.3	16.7
WHITNEY (OSC108)	30.0	70.0	20.0	80.0	23.3	76.7	30.0	70.0	30.0	70.0	80.0	20.0
PROSELECT	26.7	73.3	16.7	83.3	16.7	83.3	16.7	83.3	23.3	76.7	76.7	23.3
PRS2	33.3	66.7	30.0	70.0	30.0	70.0	23.3	73.3	23.3	76.7	73.3	26.7
TOP HAT	23.3	76.7	23.3	76.7	20.0	80.0	20.0	80.0	23.3	76.7	76.7	23.3
ALS2	30.0	70.0	30.0	70.0	33.3	66.7	26.7	73.3	23.3	76.7	73.3	26.7
BLACK CAT (MTV-124)	26.7	73.3	20.0	80.0	20.0	80.0	26.7	73.3	26.7	73.3	80.0	20.0
CHARGER	26.7	73.3	23.3	76.7	20.0	80.0	16.7	83.3	23.3	76.7	76.7	23.3
FLASH II	26.7	73.3	16.7	83.3	16.7	83.3	16.7	83.3	26.7	73.3	73.3	26.7
IS-IR3	20.0	80.0	23.3	76.7	26.7	73.3	26.7	73.3	30.0	70.0	80.0	20.0
OVERSEEDING EAGLE BLEND	30.0	70.0	26.7	73.3	26.7	73.3	26.7	73.3	26.7	73.3	70.0	30.0
COLT	40.0	60.0	33.3	66.7	26.7	73.3	26.7	73.3	23.3	76.7	76.7	23.3
RAD-OS3	26.7	73.3	30.0	70.0	23.3	76.7	20.0	80.0	26.7	73.3	76.7	23.3
WINTERPLAY	40.0	60.0	33.3	66.7	33.3	66.7	33.3	66.7	26.7	73.3	70.0	30.0
RAM-100	43.3	56.7	40.0	60.0	33.3	66.7	36.7	63.3	20.0	80.0	76.7	23.3
STARLITE	46.7	53.3	36.7	63.3	33.3	66.7	36.7	63.3	26.7	73.3	73.3	26.7
LSD VALUE	10.8	10.8	13.4	13.4	27.7	17.2	16.7	16.7	19.6	19.6	24.1	24.1
C.V. (%)	22.3	8.7	28.1	9.1	36.4	9.2	27.9	9.5	24.8	8.7	8.6	26.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT STOCKBRIDGE, GA (EAGLES LANDING COUNTRY CLUB) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	GENETIC COLOR	WINTER COLOR	DENSITY		TURFGRASS COLOR RATINGS IN 2005-06						
				SPRING 3/29/06	LATE SPRING 6/1/06	OCT	NOV	FEB	MAR	APR	MAY	JUN
CHAMPION GQ	86.7	7.3	7.3	7.3	7.3	8.0	7.7	7.3	7.3	7.7	7.0	5.7
BMX 020383	88.3	8.0	8.0	7.0	6.7	7.7	8.0	7.0	8.0	7.7	7.3	4.7
EDISON (OSC110)	81.7	7.3	7.7	7.3	7.0	7.3	7.3	6.7	7.3	7.0	7.0	5.0
GALILEO (OSC116)	83.3	7.7	7.7	7.3	7.0	7.3	7.7	7.0	7.0	7.7	7.0	4.7
MARVELGREEN SUPREME	81.7	7.7	7.3	7.0	7.0	7.3	7.3	7.0	7.3	7.3	7.0	3.7
PICK SD	78.3	8.0	8.3	7.0	7.0	8.0	8.0	7.0	7.7	8.0	7.3	4.3
PLAYMATE	80.0	7.3	8.0	6.7	6.3	7.7	8.0	6.7	7.3	7.3	7.3	5.0
PR 17	70.0	7.7	8.0	7.0	6.7	8.0	8.0	7.0	7.3	8.0	7.3	4.7
CONFETTI (STP)	86.7	7.3	8.0	7.0	7.0	7.0	7.0	7.0	7.3	7.0	7.0	4.7
COVET	81.7	7.3	7.7	7.0	7.0	7.0	7.0	7.0	7.0	7.3	7.0	4.3
SLUGGER (OS)	83.3	7.3	7.3	7.0	6.7	7.0	7.3	6.7	7.3	7.3	7.0	4.3
FUTURA 2500	81.7	7.0	8.0	6.7	6.7	7.0	7.7	7.0	7.0	6.7	6.7	5.0
IS-OS	81.7	7.3	7.3	6.0	6.3	7.0	7.0	7.0	7.0	6.7	6.7	4.7
LEAGUE MASTER	83.3	7.3	7.3	7.3	6.7	7.0	7.0	6.7	6.7	7.3	7.0	4.7
MAGNUM GOLD	83.3	7.0	7.3	7.0	6.7	7.0	7.0	6.7	7.0	7.0	7.0	5.0
PLAYOFF (CRR)	85.0	7.3	7.0	7.3	7.0	7.3	7.3	6.0	6.7	7.3	7.0	5.0
WHITNEY (OSC108)	85.0	7.7	7.7	6.3	6.0	7.3	7.7	7.0	7.0	6.7	6.3	4.3
PROSELECT	83.3	7.3	7.3	6.3	6.0	7.3	7.3	6.7	7.0	6.7	6.7	4.3
PRS2	80.0	7.0	8.0	7.0	6.7	7.3	7.3	7.0	6.7	7.0	7.0	4.0
TOP HAT	83.3	7.0	7.0	6.3	6.7	7.0	7.0	6.0	6.3	6.7	6.3	4.7
ALS2	81.7	7.3	7.3	6.7	6.7	7.0	7.3	7.0	7.0	7.0	7.0	3.7
BLACK CAT (MTV-124)	80.0	7.7	8.0	6.7	7.0	8.0	7.7	6.7	7.7	7.7	7.3	4.7
CHARGER	86.7	6.7	7.3	6.3	5.7	7.0	6.7	6.3	6.3	6.3	5.7	4.7
FLASH II	85.0	7.0	7.0	7.0	7.0	7.3	7.0	6.7	6.7	7.0	7.0	4.0
IS-IR3	83.3	6.7	7.0	6.7	6.3	7.0	7.0	6.0	6.7	6.3	6.3	5.3
OVERSEEDING EAGLE BLEND	81.7	7.3	7.3	6.7	6.0	7.0	7.0	7.0	8.0	7.0	6.7	4.0
COLT	58.3	6.7	6.3	5.7	5.7	5.0	5.3	6.0	6.0	6.0	5.7	4.7
RAD-OS3	83.3	7.0	7.3	6.0	6.0	7.0	6.7	6.3	6.7	6.0	6.0	4.3
WINTERPLAY	60.0	6.0	6.7	5.7	5.3	5.0	5.7	5.7	6.0	5.7	5.3	4.7
RAM-100	61.7	6.0	7.0	5.3	5.0	5.0	6.0	6.0	6.0	5.3	5.3	4.3
STARLITE	50.0	6.3	6.3	6.3	6.0	5.0	6.0	5.7	6.0	6.3	6.0	4.0
LSD VALUE	8.3	1.0	0.9	1.1	1.0	0.5	0.7	0.6	0.7	0.8	0.7	2.8
C.V. (%)	6.8	7.2	6.7	8.7	8.6	5.0	6.2	5.6	6.0	7.2	6.9	17.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5B.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT STOCKBRIDGE, GA (EAGLES LANDING COUNTRY CLUB) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL	WINTER	QUALITY RATINGS IN SPRING/SUMMER				TRANSITION PERIOD IN 2006			QUALITY MEAN
	QUALITY 11/16/05	QUALITY 12/21/05	2/1	3/1	3/29	5/16	6/1	6/14	6/30	
CHAMPION GQ	7.7	7.0	7.3	7.0	7.0	7.3	5.0	5.3	7.0	6.7
BMX 020383	8.0	7.0	7.0	7.3	7.3	6.7	4.7	4.7	6.7	6.6
EDISON (OSC110)	7.3	6.7	6.7	7.3	7.3	7.0	4.3	5.0	7.0	6.5
GALILEO (OSC116)	7.7	6.3	7.0	7.3	7.3	7.0	4.3	4.7	6.7	6.5
MARVELGREEN SUPREME	7.3	7.0	7.0	7.7	7.7	7.0	4.7	3.7	6.3	6.5
PICK SD	8.0	7.0	7.0	7.0	7.0	7.0	4.7	4.3	6.7	6.5
PLAYMATE	8.0	6.7	6.7	7.3	7.3	6.3	4.7	4.7	6.7	6.5
PR 17	8.0	7.0	7.0	7.0	7.0	6.7	4.7	4.7	6.7	6.5
CONFETTI (STP)	7.0	6.7	7.0	7.3	7.3	7.0	4.3	4.3	6.7	6.4
COVET	7.0	6.3	7.0	7.3	7.3	7.0	4.7	4.3	6.7	6.4
SLUGGER (OS)	7.3	6.3	7.0	7.3	7.3	6.7	4.7	4.3	7.0	6.4
FUTURA 2500	7.7	6.3	6.3	7.0	7.0	6.7	4.0	5.0	7.0	6.3
IS-OS	7.0	7.0	7.0	7.0	7.0	6.3	4.0	4.7	6.7	6.3
LEAGUE MASTER	7.0	6.3	6.7	7.3	7.3	6.7	4.3	4.7	6.7	6.3
MAGNUM GOLD	7.0	6.3	6.7	7.0	7.0	6.7	5.0	5.0	6.3	6.3
PLAYOFF (CRR)	7.3	6.0	6.0	7.0	7.0	7.0	4.7	5.0	6.7	6.3
WHITNEY (OSC108)	7.7	7.0	7.0	7.0	7.0	6.0	4.3	4.3	6.3	6.3
PROSELECT	7.3	6.7	6.7	7.0	7.0	6.0	4.3	4.3	6.7	6.2
PRS2	7.3	7.0	7.0	6.7	6.7	6.7	4.0	4.0	6.3	6.2
TOP HAT	7.0	6.0	6.3	7.0	7.0	6.7	4.3	4.7	6.7	6.2
ALS2	7.3	6.7	7.0	7.0	7.0	6.7	4.0	3.7	6.0	6.1
BLACK CAT (MTV-124)	7.7	6.3	6.3	7.0	7.0	7.0	4.0	4.0	6.0	6.1
CHARGER	6.7	6.3	6.3	7.0	7.0	5.7	5.0	4.7	6.7	6.1
FLASH II	7.0	6.3	6.3	7.3	7.3	7.0	4.0	4.0	6.0	6.1
IS-IR3	7.0	6.0	6.0	7.0	7.0	6.3	3.7	5.3	7.0	6.1
OVERSEEDING EAGLE BLEND	7.0	6.3	7.0	7.0	7.0	6.0	4.0	4.0	6.3	6.1
COLT	5.3	6.0	6.0	7.0	7.0	5.7	4.3	4.3	7.0	5.9
RAD-OS3	6.7	6.3	6.3	7.0	7.0	6.0	4.0	4.0	6.0	5.9
WINTERPLAY	5.7	6.0	5.7	6.3	6.3	5.3	5.3	4.7	7.0	5.8
RAM-100	6.0	6.0	6.0	6.0	6.0	5.0	4.7	4.7	6.7	5.7
STARLITE	6.0	5.7	5.7	6.7	6.7	6.0	4.3	4.0	6.7	5.7
LSD VALUE	0.7	1.1	0.7	1.0	1.0	1.0	2.6	2.7	2.1	0.6
C.V. (%)	6.2	7.6	5.9	6.0	6.0	8.6	16.4	17.5	8.9	4.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT MISSISSIPPI STATE, MS (MISS. ST. UNIVERSITY GOLF

SEEDBED PREPARATION		FERTILIZATION		
ow soil surface in two directions perpendicular to each other		Date(s)	Product	Rate (lbs./M)
MOWING		12-Oct-05	8-24-24	.82#N, 1.01#P, 2#K
Initial height	1"	16-Feb-06	34-0-0 UMAXX	1#/M
mowing height during test	.5"	19-Jun-06	34-0-0 UMAXX	1#/M
Frequency	3 x / week			
Type of mower	reel mower - Jac 3800			
		FUNGICIDES		
		Date(s)	Product	Rate (oz./M)
CULTIVATION		None		
Aerification - dates	None			
Aerification - type	None			
Verticutting	None	HERBICIDES		
Dates of topdressing	None	Date(s)	Product	Rate (oz./M)
Other cultural practices	None	7-Feb-06	prodiamine (RegalKade)	1#a.i./A
MAINTENANCE PRACTICES TO ENHANCE SPRING				
		INSECTICIDES		
OTHER INFORMATION		Date(s)	Product	Rate (oz./M)
Course closed for overseeding	None			
Landing area		None		
Divoting problem	None			
Cart allowed on Test area	Yes	OTHER PRODUCTS		
Traffic patterns	None	Date(s)	Product	Rate (oz./M)
NOTES/COMMENTS		None		

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 6B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE 2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST AT STARKVILLE, MS (MISSISSIPPI STATE UNIVERSITY GOLF COURSE) 1/ 2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2005				WINTER PERCENT COVER OF (2006)	
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	11/16	11/16	12/6	12/6	1/11	1/11
OVERSEEDING EAGLE BLEND	65.0	35.0	26.7	73.3	33.3	66.7
PLAYMATE	65.0	35.0	26.7	73.3	38.3	61.7
PROSELECT	65.0	35.0	25.0	75.0	31.7	68.3
ALS2	65.0	35.0	28.3	71.7	36.7	63.3
BMX 020383	65.0	35.0	26.7	73.3	36.7	63.3
CHARGER	61.7	38.3	30.0	70.0	36.7	63.3
FUTURA 2500	65.0	35.0	26.7	73.3	38.3	61.7
MARVELGREEN SUPREME	66.7	33.3	28.3	71.7	40.0	60.0
PLAYOFF (CRR)	68.3	31.7	26.7	73.3	38.3	61.7
CHAMPION GQ	68.3	31.7	28.3	71.7	43.3	56.7
CONFETTI (STP)	65.0	35.0	30.0	70.0	41.7	58.3
COVET	66.7	33.3	25.0	75.0	41.7	58.3
EDISON (OSC110)	68.3	31.7	26.7	73.3	46.7	53.3
FLASH II	68.3	31.7	28.3	71.7	41.7	58.3
GALILEO (OSC116)	65.0	35.0	28.3	71.7	41.7	58.3
IS-OS	63.3	36.7	30.0	70.0	43.3	56.7
LEAGUE MASTER	68.3	31.7	26.7	73.3	41.7	58.3
MAGNUM GOLD	66.7	33.3	28.3	71.7	41.7	58.3
PICK SD	65.0	35.0	28.3	71.7	40.0	60.0
RAD-OS3	63.3	36.7	30.0	70.0	40.0	60.0
SLUGGER (OS)	68.3	31.7	26.7	73.3	41.7	58.3
TOP HAT	63.3	36.7	28.3	71.7	36.7	63.3
BLACK CAT (MTV-124)	71.7	28.3	30.0	70.0	45.0	55.0
IS-IR3	65.0	35.0	28.3	71.7	55.0	55.0
PR 17	66.7	33.3	28.3	71.7	50.0	50.0
PRS2	66.7	33.3	28.3	71.7	45.0	55.0
WHITNEY (OSC108)	66.7	33.3	26.7	73.3	38.3	61.7
RAM-100	81.7	18.3	41.7	58.3	40.0	60.0
STARLITE	80.0	20.0	36.7	63.3	50.0	50.0
COLT	80.0	20.0	43.3	56.7	46.7	53.3
WINTERPLAY	75.0	25.0	38.3	61.7	46.7	53.3
LSD VALUE	5.1	5.1	4.8	4.8	19.3	18.9
C.V. (%)	4.8	10.0	10.3	4.3	17.5	11.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT STARKVILLE, MS (MISSISSIPPI STATE UNIVERSITY GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2005)											
	BERMUDA GRASS 3/23	OVERSEED GRASS 3/23	BERMUDA GRASS 4/4	OVERSEED GRASS 4/4	BERMUDA GRASS 4/18	OVERSEED GRASS 4/18	BERMUDA GRASS 5/9	OVERSEED GRASS 5/9	BERMUDA GRASS 5/30	OVERSEED GRASS 5/30	BERMUDA GRASS 6/15	OVERSEED GRASS 6/15
OVERSEEDING EAGLE BLEND	10.0	90.0	21.7	78.3	40.0	53.3	50.0	50.0	75.0	16.7	86.7	3.3
PLAYMATE	10.0	90.0	25.0	75.0	43.3	53.3	53.3	46.7	76.0	18.3	88.3	3.3
PROSELECT	10.0	90.0	23.3	76.7	40.0	53.3	50.0	50.0	73.3	16.7	88.3	5.0
ALS2	10.0	90.0	28.3	71.7	43.3	50.0	46.7	53.3	75.0	16.7	88.3	3.3
BMX 020383	10.0	90.0	26.7	73.3	40.0	43.3	50.0	50.0	73.3	16.7	61.3	3.3
CHARGER	10.0	90.0	25.0	75.0	40.0	56.7	50.0	50.0	76.7	16.7	86.7	3.3
FUTURA 2500	10.0	90.0	23.3	76.7	41.7	51.7	50.0	50.0	76.7	15.0	88.3	3.3
MARVELGREEN SUPREME	10.0	90.0	23.3	76.7	40.0	56.7	50.0	50.0	76.7	16.7	88.3	3.3
PLAYOFF (CRR)	10.0	90.0	21.7	78.3	40.0	56.7	50.0	50.0	73.3	16.7	90.0	5.0
CHAMPION GQ	10.0	90.0	26.7	73.3	40.0	46.7	50.0	50.0	73.3	16.7	88.3	5.0
CONFETTI (STP)	10.0	90.0	23.3	76.7	40.0	55.0	50.0	50.0	73.3	16.7	90.0	5.0
COVET	10.0	90.0	23.3	76.7	40.0	60.0	50.0	50.0	75.0	15.0	90.0	5.0
EDISON (OSC110)	10.0	90.0	23.3	76.7	40.0	58.3	50.0	50.0	75.0	18.3	90.0	5.0
FLASH II	10.0	90.0	25.0	75.0	40.0	46.7	50.0	50.0	75.0	15.0	86.7	3.3
GALILEO (OSC116)	13.3	86.7	26.7	73.3	40.0	53.3	50.0	50.0	75.0	18.3	90.0	5.0
IS-OS	10.0	90.0	23.3	76.7	43.3	53.3	50.0	50.0	76.7	16.7	90.0	1.7
LEAGUE MASTER	10.0	90.0	23.3	76.7	40.0	46.7	50.0	50.0	73.3	15.0	90.0	5.0
MAGNUM GOLD	10.0	90.0	21.7	78.3	40.0	60.0	50.0	50.0	76.0	18.3	88.3	3.3
PICK SD	10.0	90.0	25.0	75.0	43.3	46.7	56.7	43.3	72.7	18.3	86.7	5.0
RAD-OS3	13.3	86.7	23.3	76.7	40.0	53.3	53.3	46.7	76.7	16.7	88.3	3.3
SLUGGER (OS)	10.0	90.0	23.3	76.7	40.0	60.0	50.0	50.0	74.3	18.3	90.0	3.3
TOP HAT	10.0	90.0	25.0	75.0	40.0	50.0	50.0	50.0	73.3	16.7	88.3	3.3
BLACK CAT (MTV-124)	10.0	90.0	23.3	76.7	40.0	58.3	50.0	50.0	76.7	16.7	90.0	5.0
IS-IR3	16.7	83.3	23.3	76.7	43.3	53.3	50.0	50.0	76.7	16.7	88.3	3.3
PR 17	13.3	86.7	28.3	71.7	40.0	60.0	50.0	50.0	75.0	16.7	90.0	5.0
PRS2	10.0	90.0	21.7	78.3	43.3	55.0	50.0	50.0	76.7	16.7	88.3	3.3
WHITNEY (OSC108)	10.0	90.0	23.3	76.7	43.3	50.0	53.3	46.7	73.3	16.7	90.0	5.0
RAM-100	20.0	80.0	28.3	71.7	50.0	31.7	60.0	40.0	75.0	10.0	83.3	3.3
STARLITE	20.0	80.0	28.3	71.7	53.3	36.7	53.3	46.7	75.0	10.0	90.0	4.0
COLT	20.0	80.0	30.0	70.0	50.0	35.0	60.0	40.0	75.0	8.3	88.3	0.7
WINTERPLAY	21.7	78.3	33.3	66.7	50.0	41.7	53.3	46.7	73.3	13.3	86.7	3.3
LSD VALUE	3.2	3.2	9.9	9.9	9.0	16.7	4.7	4.7	11.4	4.7	26.9	8.3
C.V. (%)	17.7	2.4	15.7	5.2	10.4	16.5	5.3	5.6	3.8	15.9	9.7	56.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
 (CONT'D) 2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
 AT STARKVILLE, MS (MISSISSIPPI STATE UNIVERSITY GOLF COURSE) 1/  
 2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE
OVERSEEDING EAGLE BLEND	31.7	7.0	6.0	7.0	7.0
PLAYMATE	31.7	7.0	6.0	7.0	7.0
PROSELECT	31.7	7.0	6.0	7.0	7.0
ALS2	30.0	7.0	5.7	7.0	7.0
BMX 020383	25.0	7.0	6.0	7.0	7.0
CHARGER	31.7	6.0	6.0	7.0	7.0
FUTURA 2500	30.0	7.0	6.0	7.0	7.0
MARVELGREEN SUPREME	30.0	7.0	6.0	7.0	7.0
PLAYOFF (CRR)	26.7	7.0	6.0	7.0	7.0
CHAMPION GQ	28.3	7.0	6.0	7.0	7.0
CONFETTI (STP)	30.0	7.0	5.7	7.0	7.0
COVET	30.0	6.7	6.0	7.0	7.0
EDISON (OSC110)	30.0	6.7	6.0	7.0	7.0
FLASH II	30.0	6.3	6.0	7.0	7.0
GALILEO (OSC116)	30.0	7.0	6.0	7.0	7.0
IS-OS	26.7	7.0	6.0	7.0	7.0
LEAGUE MASTER	28.3	7.0	6.0	7.0	7.0
MAGNUM GOLD	26.7	7.0	6.0	7.0	7.0
PICK SD	28.3	7.7	6.3	6.7	7.0
RAD-OS3	31.7	6.0	5.0	7.0	6.7
SLUGGER (OS)	26.7	7.0	6.0	7.0	7.0
TOP HAT	31.7	6.3	6.0	7.0	7.3
BLACK CAT (MTV-124)	28.3	7.0	5.7	6.7	7.0
IS-IR3	30.0	6.0	6.0	7.0	7.0
PR 17	26.7	7.0	5.7	7.0	7.0
PRS2	26.7	7.0	6.0	7.0	7.0
WHITNEY (OSC108)	23.3	7.0	6.0	7.0	7.0
RAM-100	18.3	6.0	5.0	7.3	7.3
STARLITE	21.7	5.7	5.7	7.7	7.3
COLT	20.0	5.0	5.0	8.0	7.3
WINTERPLAY	21.7	5.3	5.3	7.7	7.3
LSD VALUE	6.2	0.4	0.5	0.4	0.9
C.V. (%)	12.6	3.9	4.7	3.2	3.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT STARKVILLE, MS (MISSISSIPPI STATE UNIVERSITY GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL QUALITY IN 2005			WINTER QUALITY RATINGS IN 2006					SPRING/SUMMER QUALITY RATINGS IN 2006					QUALITY MEAN
	11/30	12/5	12/27	1/11	1/31	2/14	2/27	3/21	4/4	4/25	5/16	5/30	6/15	
OVERSEEDING EAGLE BLEND	7.0	5.7	5.7	5.7	5.3	5.7	6.0	7.0	8.0	7.0	7.3	6.0	6.7	6.4
PLAYMATE	7.0	6.0	5.7	5.3	5.7	5.7	6.0	7.0	7.7	6.7	7.0	6.3	6.7	6.4
PROSELECT	7.0	6.0	6.0	5.7	5.3	5.7	6.0	7.0	7.7	7.3	7.0	6.0	6.7	6.4
ALS2	7.0	6.0	5.7	5.3	5.3	5.3	6.0	7.0	7.7	7.0	7.0	6.3	6.7	6.3
BMX 020383	6.7	6.0	5.7	5.3	5.3	5.3	6.0	7.0	8.0	7.0	7.3	6.0	6.7	6.3
CHARGER	7.0	6.0	5.7	5.3	5.3	5.7	6.0	7.0	7.0	7.0	7.0	6.0	6.7	6.3
FUTURA 2500	6.3	6.0	5.7	5.0	5.3	5.3	6.0	7.0	7.7	7.0	7.0	6.3	6.7	6.3
MARVELGREEN SUPREME	7.0	6.0	5.7	5.3	5.3	5.3	6.0	7.0	8.0	7.0	7.0	6.0	6.7	6.3
PLAYOFF (CRR)	7.0	6.0	5.3	5.0	5.0	5.0	6.0	7.0	8.0	7.0	7.0	6.0	7.0	6.3
CHAMPION GQ	6.3	6.0	5.3	5.0	5.3	5.3	6.0	7.0	8.0	7.0	7.0	6.0	6.7	6.2
CONFETTI (STP)	6.7	6.0	5.3	5.0	5.0	5.0	6.0	7.0	7.3	7.3	7.0	6.0	7.0	6.2
COVET	6.7	6.0	5.0	5.0	5.0	5.3	6.0	7.0	7.7	7.0	7.0	6.0	7.0	6.2
EDISON (OSC110)	7.0	5.7	5.3	4.7	5.0	5.0	6.0	7.0	7.3	7.0	7.0	6.0	7.0	6.2
FLASH II	6.3	6.0	5.3	5.0	5.0	5.0	6.0	7.0	7.7	7.3	7.0	5.7	6.7	6.2
GALILEO (OSC116)	6.7	6.0	5.0	5.0	5.0	5.3	6.0	7.0	7.3	7.0	7.0	6.0	7.0	6.2
IS-OS	6.7	6.0	5.0	5.3	5.3	5.0	6.0	7.0	7.3	7.0	7.0	6.3	6.7	6.2
LEAGUE MASTER	6.7	6.0	5.3	5.0	5.0	5.0	6.0	7.0	7.7	7.0	7.0	5.7	7.0	6.2
MAGNUM GOLD	6.7	6.0	5.3	5.0	5.0	5.0	6.0	7.0	7.7	7.0	7.0	6.3	6.3	6.2
PICK SD	6.3	6.0	5.3	5.3	5.3	5.3	6.0	6.7	7.7	6.7	7.0	6.0	6.7	6.2
RAD-OS3	6.3	6.0	6.0	5.0	5.0	5.0	6.0	6.7	7.0	7.0	7.0	6.3	6.7	6.2
SLUGGER (OS)	6.3	6.0	5.0	5.3	5.0	5.3	6.0	7.0	7.7	7.0	7.3	6.0	6.7	6.2
TOP HAT	6.7	6.0	6.0	5.3	5.3	5.3	6.0	6.7	7.3	6.7	6.7	6.0	6.7	6.2
BLACK CAT (MTV-124)	6.3	6.0	5.0	5.0	5.0	5.0	6.0	7.0	7.7	7.0	7.0	6.0	6.7	6.1
IS-IR3	6.7	6.0	5.3	5.0	5.0	5.0	6.0	7.0	7.3	7.0	7.0	6.0	6.3	6.1
PR 17	7.0	6.0	5.3	4.3	5.0	5.0	5.7	6.7	7.7	7.0	7.0	6.0	7.0	6.1
PRS2	6.7	6.0	5.0	5.0	5.0	5.0	6.0	7.0	7.3	7.0	7.0	6.0	6.7	6.1
WHITNEY (OSC108)	6.7	6.0	5.0	5.0	5.0	5.0	6.0	7.0	7.0	7.0	7.0	5.7	7.0	6.1
RAM-100	4.7	5.3	5.3	5.0	5.0	5.0	5.7	6.5	7.0	6.0	6.7	5.0	6.3	5.6
STARLITE	4.7	5.0	4.7	4.7	5.0	5.0	5.0	6.3	7.0	7.3	7.0	5.0	6.7	5.6
COLT	4.3	5.3	5.0	4.7	5.0	5.0	5.3	6.0	7.0	7.0	6.0	4.7	6.7	5.5
WINTERPLAY	4.7	5.0	5.0	4.3	4.7	5.0	5.3	6.0	6.7	6.3	6.7	5.3	6.5	5.5
LSD VALUE	0.8	0.3	1.1	1.1	0.8	1.0	0.3	0.4	1.0	0.9	0.5	0.9	1.1	0.2
C.V. (%)	7.6	3.6	8.6	8.7	5.9	6.9	3.5	3.7	6.1	5.3	3.7	7.8	5.0	2.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT PINEHURST, NC (PINEHURST COUNTRY CLUB #3)

SEEDBED PREPARATION		FERTILIZATION		
Mowed at 0.750" and seed was watered in with irrigation		Date(s)	Product	Rate (lbs./M)
MOWING		10-20-20 in Oct 1lb N, 34-0-0 in Jan 1lb N, and 34-0-0 in June 1lb N		
Initial height	0.750"			
mowing height during test	0.500"			
Frequency	1-3 times a week	FUNGICIDES		
Type of mower	pull behind gang	Date(s)	Product	Rate (oz./M)
CULTIVATION		None		
Aerification - dates	Feb and May 06			
Aerification - type	Slice in Feb, and spoon tine in May	HERBICIDES		
Verticutting	With Ransome's in Aug			
Dates of topdressing	None	Date(s)	Product	Rate (oz./M)
Other cultural practices	None	None		
		INSECTICIDES		
MAINTENANCE PRACTICES TO ENHANCE SPRING		Date(s)	Product	Rate (oz./M)
OTHER INFORMATION		None		
Course closed for overseeding	Yes			
Landing area	Yes	OTHER PRODUCTS		
Divoting problem	No		None	
Cart allowed on Test area	Yes	Date(s)	Product	Rate (oz./M)
Traffic patterns	No	None		
NOTES/COMMENTS				

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 7B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT PINEHURST, NC (PINEHURST COUNTRY CLUB #3) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2005				PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2006)					
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	11/17	11/17	12/14	12/14	5/4	5/4	5/22	5/22	6/6	6/6
BMX 020383	18.3	81.7	11.7	88.3	30.0	70.0	56.7	43.3	66.7	33.3
COVET	16.7	83.3	18.3	81.7	36.7	63.3	60.0	40.0	70.0	30.0
LEAGUE MASTER	23.3	76.7	10.0	90.0	30.0	70.0	46.7	53.3	66.7	33.3
GALILEO (OSC116)	21.7	78.3	20.0	80.0	30.0	70.0	46.7	53.3	76.7	23.3
CHAMPION GQ	25.0	75.0	18.3	81.7	33.3	66.7	56.7	43.3	71.7	28.3
MAGNUM GOLD	28.3	71.7	18.3	81.7	33.3	66.7	53.3	46.7	75.0	25.0
ALS2	26.7	73.3	16.7	83.3	40.0	60.0	53.3	46.7	76.7	23.3
BLACK CAT (MTV-124)	31.7	68.3	16.7	83.3	40.0	60.0	50.0	50.0	70.0	30.0
EDISON (OSC110)	20.0	80.0	20.0	80.0	33.3	66.7	53.3	46.7	73.3	26.7
FUTURA 2500	25.0	75.0	18.3	81.7	46.7	53.3	53.3	46.7	80.0	20.0
PICK SD	26.7	73.3	18.3	81.7	40.0	60.0	43.3	56.7	56.7	46.7
PLAYMATE	26.7	73.3	16.7	83.3	36.7	63.3	50.0	50.0	68.3	31.7
PLAYOFF (CRR)	23.3	76.7	13.3	86.7	36.7	63.3	46.7	53.3	66.7	33.3
SLUGGER (OS)	28.3	71.7	18.3	81.7	30.0	70.0	46.7	53.3	70.0	30.0
FLASH II	28.3	71.7	20.0	80.0	40.0	60.0	53.3	46.7	76.7	23.3
OVERSEEDING EAGLE BLEND	23.3	76.7	15.0	85.0	33.3	66.7	51.7	48.3	78.3	21.7
TOP HAT	20.0	80.0	20.0	80.0	40.0	60.0	46.7	53.3	76.7	23.3
PR 17	35.0	65.0	18.3	81.7	30.0	70.0	46.7	53.3	71.7	28.3
PROSELECT	25.0	75.0	16.7	83.3	50.0	50.0	56.7	43.3	76.7	23.3
PRS2	25.0	75.0	16.7	83.3	36.7	63.3	61.7	38.3	75.0	25.0
WHITNEY (OSC108)	25.0	75.0	21.7	78.3	43.3	56.7	56.7	43.3	76.7	23.3
IS-IR3	28.3	71.7	18.3	81.7	36.7	63.3	66.7	33.3	75.0	25.0
IS-OS	26.7	73.3	16.7	83.3	36.7	63.3	53.3	46.7	76.7	23.3
CONFETTI (STP)	30.0	70.0	18.3	81.7	43.3	56.7	50.0	50.0	76.7	23.3
MARVELGREEN SUPREME	31.7	68.3	16.7	83.3	43.3	56.7	60.0	40.0	76.7	23.3
CHARGER	28.3	71.7	21.7	78.3	46.7	53.3	51.7	48.3	86.7	13.3
RAD-OS3	26.7	73.3	16.7	83.3	43.3	56.7	56.7	43.3	89.7	10.0
STARLITE	46.7	53.3	26.7	73.3	36.7	63.3	36.7	63.3	75.0	25.0
COLT	51.7	48.3	25.0	75.0	26.7	73.3	36.7	63.3	75.0	25.0
RAM-100	50.0	50.0	26.7	73.3	26.7	73.3	33.3	66.7	80.0	20.0
WINTERPLAY	41.7	58.3	33.3	66.7	23.3	76.7	36.7	63.3	66.7	33.3
LSD VALUE	11.0	11.0	8.8	8.8	17.2	17.2	13.0	13.0	13.3	12.8
C.V. (%)	23.5	9.4	25.1	5.8	21.8	12.6	14.6	15.0	9.3	26.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT PINEHURST, NC (PINEHURST COUNTRY CLUB #3) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	GENETIC COLOR	FALL			SPRING/SUMMER QUALITY RATINGS (2006)					QUALITY MEAN
			QUALITY 11/17/05	WINTER QUALITY 12/14/05	1/26/06	2/27	3/29	4/13	5/4	6/6	
BMX 020383	81.7	8.0	8.0	7.7	8.0	8.0	8.0	8.0	7.7	7.7	7.9
COVET	83.3	8.0	7.7	7.3	7.7	8.0	8.0	8.0	7.7	8.0	7.8
LEAGUE MASTER	76.7	8.0	7.3	7.3	7.7	8.0	8.0	8.0	7.7	8.0	7.8
GALILEO (OSC116)	78.3	7.7	7.7	7.3	7.7	7.7	7.3	8.0	8.0	7.7	7.7
CHAMPION GQ	75.0	8.0	7.0	7.0	7.7	8.0	8.0	8.0	7.7	7.3	7.6
MAGNUM GOLD	71.7	8.0	7.0	7.0	7.7	7.7	8.0	8.0	8.0	7.3	7.6
ALS2	73.3	7.7	6.7	7.0	7.3	7.7	8.0	8.0	8.0	7.3	7.5
BLACK CAT (MTV-124)	68.3	8.0	7.3	7.0	7.3	7.3	7.7	8.0	7.7	7.7	7.5
EDISON (OSC110)	80.0	7.7	7.3	7.3	7.3	7.7	7.3	8.0	7.7	7.7	7.5
FUTURA 2500	75.0	7.0	7.0	7.0	7.0	7.7	7.3	7.7	8.0	8.0	7.5
PICK SD	73.3	8.0	8.0	7.3	8.0	8.0	7.7	7.7	7.0	6.3	7.5
PLAYMATE	73.3	8.0	7.3	7.3	7.3	8.0	7.3	8.0	7.7	7.0	7.5
PLAYOFF (CRR)	76.7	7.7	7.0	7.0	7.0	7.7	8.0	8.0	7.7	8.0	7.5
SLUGGER (OS)	71.7	8.0	7.0	7.0	7.0	7.0	8.0	8.0	8.0	7.7	7.5
FLASH II	71.7	7.3	7.0	7.0	7.7	7.7	7.3	7.3	7.7	7.7	7.4
OVERSEEDING EAGLE BLEND	76.7	7.3	7.0	7.0	7.0	7.7	7.3	8.0	7.7	7.7	7.4
TOP HAT	80.0	6.7	7.0	6.7	7.3	8.0	7.7	7.7	7.7	7.3	7.4
PR 17	65.0	7.7	7.3	7.0	7.3	7.3	7.7	7.3	6.7	7.3	7.3
PROSELECT	75.0	7.0	6.7	7.0	6.7	7.0	7.7	7.7	7.7	7.7	7.3
PRS2	75.0	7.7	6.7	7.0	6.3	7.0	8.0	8.0	7.7	7.3	7.3
WHITNEY (OSC108)	75.0	7.3	7.0	7.0	7.0	7.7	7.3	7.7	7.3	7.7	7.3
IS-IR3	71.7	6.3	7.0	7.0	7.0	7.7	7.0	6.0	7.0	8.0	7.1
IS-OS	73.3	7.0	7.0	6.7	7.0	7.3	7.3	7.3	7.3	7.0	7.1
CONFETTI (STP)	70.0	7.3	6.7	6.7	6.3	6.3	7.0	7.3	7.3	8.0	7.0
MARVELGREEN SUPREME	68.3	8.0	6.3	7.0	5.7	6.3	7.0	7.7	7.7	8.0	7.0
CHARGER	71.7	6.3	6.3	7.0	6.7	6.7	7.0	7.0	7.3	7.3	6.9
RAD-OS3	73.3	6.0	7.0	6.0	6.7	7.0	6.7	6.3	7.0	7.0	6.7
STARLITE	53.3	5.3	6.7	5.0	6.7	7.3	6.0	5.7	6.0	5.7	6.1
COLT	48.3	5.0	7.3	4.7	7.3	7.0	5.7	5.0	5.0	6.0	6.0
RAM-100	50.0	5.3	6.3	4.7	5.7	6.3	6.0	5.7	5.7	5.3	5.7
WINTERPLAY	58.3	5.3	5.7	5.0	5.3	6.0	5.3	5.7	5.3	6.0	5.5
LSD VALUE	11.0	0.6	1.0	0.5	1.4	1.6	0.9	0.7	0.8	1.1	0.5
C.V. (%)	9.4	5.3	7.5	5.4	10.2	9.8	7.8	6.2	6.8	8.8	4.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT LAS CRUCES, NM (NEW MEXICO STATE UNIVERSITY G.C.)

SEEDBED PREPARATION		FERTILIZATION		
Verticutted in 2 directions and clippings were blown Scalped with mowing @ 9 mm.		Date(s)	Product	Rate (lbs./M)
		Early October	20-4-8	1.2 lbs. N x 1000 sq.ft.
		Mid November	20-4-8	1.2 lbs. N x 1000 sq.ft.
MOWING		Early March	20-4-8	1.2 lbs. N x 1000 sq.ft.
		Mid May	20-4-8	1.2 lbs. N x 1000 sq.ft.
Initial height	15 mm.	Mid June	20-4-8	1.2 lbs. N x 1000 sq.ft.
mowing height during test	12 mm.	Mid July	20-4-8	1.2 lbs. N x 1000 sq.ft.
Frequency	4 per wk			
Type of mower	Reel mower, 5 gangs			
		FUNGICIDES		
CULTIVATION		Date(s)	Product	Rate (oz./M)
		NONE		
Aerification - dates	Yes, early June			
Aerification - type	No			
Verticutting	No	HERBICIDES		
Dates of topdressing	No	Date(s)	Product	Rate (oz./M)
Other cultural practices	Preemergent and insecticide in spring,	Mid February	Pendimethalin	2.3 oz x M
		Mid April	Pendimethalin	1.1 oz x M
MAINTENANCE PRACTICES TO ENHANCE SPRING				
None, only change in watering schedule		INSECTICIDES		
OTHER INFORMATION		Date(s)	Product	Rate (oz./M)
		Early June	Merit	6.4 oz x ac.
Course closed for overseeding	No	Early August	Merit	6.4 oz x ac.
Landing area	No			
Divoting problem	No			
Cart allowed on Test area	Yes	OTHER PRODUCTS		
Traffic patterns	No	Date(s)	Product	Rate (oz./M)
NOTES/COMMENTS		None		

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 8B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT LAS CRUCES, NM (NEW MEXICO STATE UNIVERSITY G.C. COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

OVERSEED NAME	PERCENT COVER OF LIVING GRASSES IN FALL (2005)								PERCENT LIVING GROUND COVER OF THE GRASSES IN SPRING/SUMMER (2006)						
	BERMUDA	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	WINTER	PERCENT COVER OF	BERMUDA	OVERSEED	BERMUDA	OVERSEED	GRAS	
	GRASS 11/4	GRASS 11/15	GRASS 11/15	GRASS 12/1	GRASS 12/1	GRASS 12/15	GRASS 12/15	LIVING 2/3	OVERSEED 3/2	GRASS (06) 3/16	GRASS 4/4	GRASS 4/4	GRASS 4/14	GRAS 4/14	GRAS 5/1
WHITNEY (OSC108)	40.0	26.7	56.7	10.0	46.7	0	63.3	85.0	83.3	96.0	4.0	59.3	18.3	73.3	40.0
BLACK CAT (MTV-124)	46.0	31.7	56.7	10.0	53.3	0	63.3	75.0	85.0	89.7	3.3	66.7	18.3	70.0	36.7
IS-OS	50.0	31.7	63.3	10.0	46.7	0	50.0	68.3	78.3	90.0	4.3	66.7	18.3	66.7	40.0
PICK SD	35.0	20.0	56.7	10.0	53.3	0	60.0	78.3	83.3	93.0	4.7	70.0	20.0	66.7	36.7
TOP HAT	46.7	28.3	63.3	10.0	53.3	0	60.0	75.0	83.3	93.0	3.0	70.0	18.3	73.3	40.0
BMX 020383	41.7	26.7	53.3	10.0	53.3	0	60.0	70.0	78.3	93.0	5.0	73.3	18.3	63.3	40.0
CHARGER	50.0	30.0	55.0	11.7	50.0	0	56.7	71.7	83.3	89.7	4.0	73.3	18.3	65.0	43.3
EDISON (OSC110)	60.0	30.0	53.3	11.7	40.0	0	53.3	71.7	73.3	86.3	4.3	49.7	16.7	73.3	36.7
LEAGUE MASTER	40.0	21.7	50.0	10.0	46.7	0	56.7	75.0	73.3	93.0	3.3	52.7	18.3	73.3	40.0
PLAYMATE	40.0	30.0	56.7	11.7	50.0	0	56.7	61.7	81.7	89.7	4.3	73.3	18.3	70.0	43.3
CHAMPION GQ	41.7	20.0	50.0	10.0	50.0	0	50.0	75.0	80.0	85.0	5.0	73.3	18.3	73.3	43.3
FLASH II	53.3	32.7	70.0	10.0	46.7	0	46.7	73.3	76.7	86.7	5.3	76.7	18.3	73.3	40.0
CONFETTI (STP)	53.3	28.3	53.3	10.0	40.0	0	46.7	71.7	80.0	83.3	5.0	70.0	18.3	66.7	40.0
FUTURA 2500	43.3	30.0	53.3	10.0	46.7	0	50.0	70.0	81.7	83.3	5.3	70.0	20.0	63.3	36.7
GALILEO (OSC116)	60.0	40.0	56.7	10.0	36.7	0	50.0	63.3	76.7	83.3	6.3	55.3	20.0	63.3	36.7
MAGNUM GOLD	41.7	23.3	50.0	10.0	43.3	0	50.0	76.7	83.3	83.3	6.7	70.0	20.0	70.0	43.3
COVET	56.7	36.7	50.0	10.0	40.0	0	46.7	61.7	75.0	83.3	5.3	45.7	20.0	63.3	36.7
OVERSEEDING EAGLE BLEND	50.0	36.7	70.0	10.0	46.7	0	50.0	68.3	73.3	89.7	5.7	76.7	18.3	70.0	36.7
RAD-OS3	46.7	26.7	60.0	10.0	50.0	0	56.7	70.0	75.0	90.0	7.3	63.3	20.0	66.7	33.3
ALS2	33.3	31.7	53.3	10.0	40.0	0	36.7	68.3	76.7	85.0	5.0	73.3	20.0	60.0	40.0
PLAYOFF (CRR)	36.7	23.3	46.7	10.0	40.0	0	53.3	68.3	76.7	86.7	5.3	35.7	20.0	60.0	36.7
PR 17	48.3	38.3	56.7	10.0	36.7	0	43.3	63.3	75.0	83.3	5.3	60.0	20.0	60.0	33.3
SLUGGER (OS)	36.0	25.0	43.3	10.0	43.3	0	46.7	73.3	71.7	83.3	4.3	66.7	20.0	66.7	33.3
PROSELECT	50.0	28.3	36.7	10.0	36.7	0	43.3	61.7	81.7	83.3	5.0	73.3	20.0	56.7	40.0
IS-IR3	35.0	29.3	50.0	11.7	46.7	0	53.3	70.0	80.0	83.3	5.0	60.0	20.0	60.0	36.7
RAM-100	50.0	35.0	63.3	10.0	43.3	0	46.7	65.0	71.7	83.3	8.0	70.0	18.3	70.0	36.7
PRS2	43.3	30.0	46.7	10.0	36.7	0	40.0	60.0	73.3	83.3	5.7	60.0	20.0	56.7	33.3
WINTERPLAY	46.7	23.3	46.7	10.0	40.0	0	40.0	61.7	70.0	80.0	7.0	63.3	18.3	63.3	40.0
MARVELGREEN SUPREME	33.3	25.0	38.3	10.0	40.0	0	40.0	60.0	78.3	76.7	3.7	63.3	20.0	50.0	33.3
COLT	60.0	23.3	25.0	10.0	33.3	0	33.3	50.0	68.3	66.7	4.0	51.3	20.0	53.3	33.3
STARLITE	28.3	20.0	33.3	10.0	26.7	0	30.0	43.3	61.7	76.7	6.3	60.0	20.0	60.0	33.3
LSD VALUE	112.7	70.1	82.0	3.5	24.2	0	27.9	21.0	22.1	22.3	6.9	84.0	8.0	39.1	24.5
C.V. (%)	54.1	53.6	40.0	10.0	21.4	.	23.3	14.7	10.4	9.9	41.1	32.8	10.6	17.5	17.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8B. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
 2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
 AT LAS CRUCES, NM (NEW MEXICO STATE UNIVERSITY G.C. COURSE) 1/  
 2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	PLOT COLOR RATINGS		
	EARLY ESTABLISHED					11/15/05	3/2/06	5/1/06
WHITNEY (OSC108)	10.0	7.0	5.3	7.0	7.0	7.3	7.0	7.0
BLACK CAT (MTV-124)	11.0	7.3	5.7	7.0	7.0	7.0	7.0	7.3
IS-OS	18.3	7.0	5.3	7.0	7.0	7.3	6.7	7.0
PICK SD	14.3	7.0	5.3	7.0	7.0	7.7	7.0	7.0
TOP HAT	13.7	7.0	5.7	7.0	7.0	7.0	7.0	6.7
BMX 020383	14.3	7.3	5.7	7.0	7.0	7.3	6.3	7.3
CHARGER	10.7	6.7	5.7	7.0	7.0	7.0	6.3	6.3
EDISON (OSC110)	12.7	7.0	5.3	7.0	7.0	7.0	6.3	7.0
LEAGUE MASTER	14.3	7.0	5.3	7.0	7.0	7.0	7.0	7.0
PLAYMATE	20.0	7.3	5.7	7.0	7.0	7.3	6.7	7.7
CHAMPION GQ	16.0	7.0	5.3	7.0	7.0	7.0	7.0	7.0
FLASH II	16.7	7.0	4.7	7.0	7.0	7.3	6.0	6.3
CONFETTI (STP)	11.7	7.0	5.0	7.0	7.0	7.3	7.0	7.0
FUTURA 2500	11.7	7.0	5.3	7.0	7.0	7.0	7.0	7.3
GALILEO (OSC116)	12.7	7.0	5.3	7.0	7.0	7.3	5.7	7.0
MAGNUM GOLD	9.3	7.0	5.3	7.0	7.0	7.0	6.3	6.7
COVET	11.0	7.0	5.3	7.0	7.0	7.0	7.0	7.0
OVERSEEDING EAGLE BLEND	18.3	7.0	4.3	7.0	7.0	7.3	5.7	6.7
RAD-OS3	14.3	6.7	5.3	7.0	7.0	7.0	6.0	7.0
ALS2	11.7	7.0	5.7	7.0	7.0	7.0	6.7	7.0
PLAYOFF (CRR)	7.0	6.7	4.7	7.0	7.3	7.3	6.0	6.3
PR 17	8.7	7.0	5.3	7.0	7.0	7.3	6.7	7.0
SLUGGER (OS)	7.0	7.0	5.3	7.0	7.0	7.0	6.7	7.0
PROSELECT	12.3	7.3	5.3	7.0	7.0	7.3	6.7	7.0
IS-IR3	13.3	7.0	5.3	7.0	7.0	7.0	6.0	6.3
RAM-100	15.7	6.0	4.7	7.0	7.7	7.3	5.0	5.7
PRS2	11.0	7.0	5.3	7.0	7.0	7.0	6.3	7.3
WINTERPLAY	10.0	5.7	5.3	7.3	7.7	7.0	5.3	6.0
MARVELGREEN SUPREME	7.0	7.0	5.3	7.0	7.0	7.0	6.7	7.0
COLT	6.0	5.7	5.7	7.3	7.3	6.3	5.3	5.3
STARLITE	4.3	6.3	5.3	7.0	7.0	6.3	6.3	6.3
LSD VALUE	24.1	0.5	1.9	0.5	0.4	2.4	3.1	0.8
C.V. (%)	57.1	4.8	10.8	2.1	2.9	8.4	15.1	7.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT LAS CRUCES, NM (NEW MEXICO STATE UNIVERSITY G.C. COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS IN FALL (2005)				QUALITY RATINGS IN SPRING AND SUMMER TRANSITION PERIOD IN 2006								QUALITY MEAN	
	11/4	11/15	12/1	12/15	1/4	1/13	2/2	2/15	3/2	3/14	3/16	4/4		5/1
WHITNEY (OSC108)	3.7	4.3	6.0	5.7	5.7	6.7	6.3	6.7	6.3	6.3	6.3	6.3	6.7	5.9
BLACK CAT (MTV-124)	4.7	4.3	6.3	5.7	5.7	5.7	6.7	6.3	5.3	6.3	6.7	6.3	5.7	5.8
IS-OS	5.0	4.3	6.0	4.7	5.3	5.7	6.0	5.7	5.7	6.3	6.0	5.7	6.0	5.6
PICK SD	4.0	4.7	6.3	5.3	5.3	6.0	6.0	6.0	5.3	6.0	7.0	5.7	5.7	5.6
TOP HAT	4.3	4.3	6.7	5.3	5.7	6.0	6.0	5.7	5.7	6.0	6.0	5.7	5.7	5.6
BMX 020383	4.0	4.3	6.3	5.7	6.0	5.7	5.7	6.0	5.3	6.0	6.3	5.3	5.3	5.5
CHARGER	4.0	4.0	6.3	6.0	5.7	5.7	5.7	6.0	5.3	6.0	5.7	5.7	5.7	5.5
EDISON (OSC110)	5.3	4.7	5.7	5.3	5.3	6.0	4.7	6.0	5.0	6.7	6.0	5.0	6.0	5.5
LEAGUE MASTER	4.3	4.7	5.3	5.0	5.3	5.7	5.0	6.0	5.7	6.3	6.7	6.3	5.7	5.5
PLAYMATE	5.0	4.7	5.7	5.3	5.0	5.3	4.7	5.7	5.3	6.7	6.7	5.7	5.7	5.5
CHAMPION GQ	5.0	4.0	6.0	5.0	5.3	5.7	5.3	5.3	4.7	6.3	5.7	6.0	6.0	5.4
FLASH II	5.0	4.7	6.0	4.3	4.7	5.3	5.7	5.3	4.3	6.7	6.0	6.0	6.0	5.4
CONFETTI (STP)	4.7	4.3	5.0	4.7	4.7	5.0	5.0	5.7	5.3	5.7	6.3	6.3	6.0	5.3
FUTURA 2500	5.0	4.3	5.7	4.7	5.0	6.0	4.7	5.7	4.7	6.0	6.0	5.3	5.3	5.3
GALILEO (OSC116)	5.3	4.3	5.0	4.7	5.0	5.3	5.0	5.7	5.3	5.7	5.7	5.7	6.3	5.3
MAGNUM GOLD	4.3	4.3	5.7	4.7	5.3	5.7	5.0	5.3	4.3	6.0	6.0	5.7	6.0	5.3
COVET	4.7	4.0	5.3	4.7	4.3	5.3	5.0	6.0	5.3	5.7	6.3	5.0	5.7	5.2
OVERSEEDING EAGLE BLEND	4.7	4.3	5.7	4.3	4.7	5.0	5.3	5.0	4.7	6.0	5.7	6.0	5.7	5.2
RAD-OS3	5.3	4.0	5.7	5.0	5.3	5.7	5.3	4.7	5.0	5.7	5.3	4.7	5.3	5.2
ALS2	3.7	4.0	4.7	4.3	5.0	5.0	5.7	6.0	6.0	5.3	6.0	5.3	5.3	5.1
PLAYOFF (CRR)	4.7	4.0	5.0	5.0	5.0	5.3	5.0	5.3	5.0	5.3	6.3	5.0	5.3	5.1
PR 17	4.7	4.0	5.0	4.3	4.7	4.7	5.0	5.3	5.3	5.7	6.3	5.0	5.7	5.1
SLUGGER (OS)	4.0	3.7	5.3	5.3	4.3	5.7	5.3	5.7	5.0	5.7	6.0	5.3	5.0	5.1
PROSELECT	4.7	4.0	5.0	4.7	5.0	5.3	4.7	5.7	5.3	5.0	5.3	5.0	5.0	5.0
IS-IR3	4.0	4.0	6.0	4.3	5.0	5.0	5.7	5.3	4.3	5.0	5.0	5.0	5.7	4.9
RAM-100	5.3	4.3	5.0	4.3	4.7	5.0	5.3	5.0	3.7	6.0	5.0	4.7	5.7	4.9
PRS2	4.3	4.0	4.7	4.3	4.7	4.7	4.7	5.0	5.3	5.7	5.3	4.7	5.0	4.8
WINTERPLAY	5.0	4.0	5.0	4.7	5.0	4.3	4.0	4.3	4.0	5.3	4.3	5.0	5.0	4.6
MARVELGREEN SUPREME	3.7	3.7	4.3	4.0	5.0	5.0	4.7	5.0	5.0	4.7	5.3	4.7	4.0	4.5
COLT	4.3	3.3	4.0	4.0	3.3	4.0	3.0	4.3	4.3	4.3	4.7	3.7	3.7	3.9
STARLITE	4.0	3.3	3.0	3.3	3.0	3.7	3.0	3.0	4.0	5.0	5.3	4.0	4.0	3.7
LSD VALUE	6.7	3.2	3.2	3.2	2.2	2.8	2.4	1.5	3.3	5.1	2.4	3.6	3.3	1.9
C.V. (%)	32.2	18.9	21.6	20.7	17.7	18.1	20.3	14.2	20.4	21.9	15.5	21.0	19.7	13.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT OKLAHOMA CITY, OK  
(THE JOHN E. KIRKPATRICK FIVE-HOLE DEMONSTRATION GOLF COURSE)

SEEDBED PREPARATION		FERTILIZATION		
No special preparation		Date(s)	Product	Rate (lbs./M)
MOWING		September 12 2005	32-3-8	1 lb. Nitrogen
		September 12 2005	5-10-31	1 lb. K20
Initial height	0.5 inch	November 16 2005	46-0-0	1/2 lb. Nitrogen
mowing height during test	0.5 inch	February 10 2006	46-0-0	1/2 lb. Nitrogen
Frequency	3 times per week	May 5 2006	32-3-8	1 lb. Nitrogen
Type of mower	Jacobson LF-128 (reel-type)	July 23 2006	32-3-8	1 lb. Nitrogen
		August 29 2006	32-3-8	1 lb. Nitrogen
CULTIVATION		FUNGICIDES		
Aerification - dates	None		none	
Aerification - type		Date(s)	Product	Rate (oz./M)
Verticutting	Third week of August, 2006			
Dates of topdressing	None	None		
Other cultural practices	None			
		HERBICIDES		
			none	
MAINTENANCE PRACTICES TO ENHANCE SPRING		Date(s)	Product	Rate (oz./M)
OTHER INFORMATION		None		
		INSECTICIDES		
Course closed for overseeding	None			
Landing area		Date(s)	Product	Rate (oz./M)
Divoting problem	None	August 25 2005	Dylox 80	3 3/4
Cart allowed on Test area	Yes			
Traffic patterns	None			
		OTHER PRODUCTS		
NOTES/COMMENTS		Date(s)	Product	Rate (oz./M)
		None		

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 9B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
 2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
 AT OKLAHOMA CITY, OK (THE JOHN E. KIRKPATRICK FIVE-HOLE DEMONSTRATION GOLF COURSE) 1/  
 2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL (2005)						COVER OF (2005)	
	BERMUDA GRASS		OVERSEED GRASS		BERMUDA GRASS		DORMANCY	LIVING
	11/2	11/2	11/23	11/23	12/14	12/14	BERMUDA GRASS	OVERSEED GRASS
BLACK CAT (MTV-124)	93.7	6.3	80.0	20.0	60.0	40.0	26.7	73.3
CHAMPION GQ	70.0	30.0	70.0	30.0	58.3	41.7	28.3	71.7
COVET	86.7	13.3	78.3	21.7	55.0	45.0	16.7	83.3
FUTURA 2500	85.0	15.0	78.3	21.7	61.7	38.3	23.3	76.7
LEAGUE MASTER	78.0	22.0	71.7	28.3	50.0	50.0	20.0	80.0
MAGNUM GOLD	80.0	20.0	76.7	23.3	56.7	43.3	18.3	81.7
PR 17	89.0	11.0	85.7	14.3	65.0	35.0	28.3	71.7
WHITNEY (OSC108)	80.7	19.3	81.3	18.7	50.0	50.0	16.7	83.3
ALS2	85.0	15.0	86.0	14.0	63.3	36.7	25.0	75.0
EDISON (OSC110)	83.3	16.7	78.3	21.7	58.3	41.7	23.3	76.7
GALILEO (OSC116)	90.0	10.0	82.0	18.0	61.7	38.3	25.0	75.0
PICK SD	92.3	7.7	84.3	15.7	55.0	45.0	18.3	81.7
PLAYMATE	80.0	20.0	83.3	16.7	63.3	36.7	30.0	70.0
PROSELECT	68.3	31.7	63.3	36.7	55.0	45.0	23.3	76.7
TOP HAT	63.3	36.7	62.3	37.7	46.7	53.3	21.7	78.3
FLASH II	80.0	20.0	88.3	11.7	56.7	43.3	15.0	85.0
MARVELGREEN SUPREME	73.3	26.7	74.3	25.7	56.7	43.3	35.0	65.0
OVERSEEDING EAGLE BLEND	83.3	16.7	80.0	20.0	60.0	40.0	21.7	78.3
BMX 020383	84.0	16.0	78.3	21.7	61.7	38.3	25.0	75.0
CONFETTI (STP)	75.0	25.0	73.3	26.7	58.3	41.7	25.0	75.0
IS-IR3	82.3	17.7	78.3	21.7	65.0	35.0	25.0	75.0
PLAYOFF (CRR)	77.3	22.7	79.7	20.3	58.3	41.7	25.0	75.0
IS-OS	88.0	12.0	91.7	8.3	71.7	28.3	31.7	68.3
PRS2	85.7	14.3	89.3	10.7	68.3	31.7	35.0	65.0
SLUGGER (OS)	86.3	13.7	91.0	9.0	60.0	40.0	23.3	76.7
CHARGER	75.0	25.0	76.0	24.0	61.7	38.3	35.0	65.0
RAD-OS3	68.3	31.7	72.3	27.7	61.7	38.3	33.3	66.7
COLT	74.0	26.0	77.7	22.3	63.3	36.7	26.7	73.3
WINTERPLAY	82.7	17.3	83.3	16.7	75.0	25.0	21.7	78.3
RAM-100	83.7	16.3	83.0	17.0	73.3	26.7	35.0	65.0
STARLITE	94.3	5.7	94.0	6.0	88.3	11.7	35.0	65.0
LSD VALUE	27.0	27.0	31.4	31.4	37.6	37.6	27.3	27.3
C.V. (%)	13.2	57.2	14.2	55.8	20.8	33.0	36.5	12.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT OKLAHOMA CITY, OK (THE JOHN E. KIRKPATRICK FIVE-HOLE DEMONSTRATION GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2006													
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	3/3	3/3	4/4	4/4	6/9	6/9	6/22	6/22	6/25	6/28	7/13	7/13	7/20	7/20
BLACK CAT (MTV-124)	10.7	89.3	2.7	97.3	43.3	56.7	58.3	41.7	61.7	38.3	83.3	16.7	70.0	30.0
CHAMPION GQ	14.0	86.0	1.3	98.7	58.3	41.7	65.0	35.0	70.0	30.0	86.7	13.3	78.0	22.0
COVET	8.3	91.7	1.0	99.0	58.3	41.7	71.7	28.3	75.0	25.0	86.3	13.7	78.3	21.7
FUTURA 2500	12.3	87.7	1.3	98.7	41.7	58.3	71.7	28.3	75.0	25.0	88.3	11.7	81.7	18.3
LEAGUE MASTER	10.7	89.3	1.0	99.0	63.3	36.7	71.7	28.3	75.0	25.0	89.3	10.7	88.3	11.7
MAGNUM GOLD	13.3	86.7	2.3	97.7	55.0	45.0	73.3	26.7	75.0	25.0	85.0	15.0	81.7	18.3
PR 17	12.3	87.7	1.3	98.7	56.7	43.3	66.7	33.3	75.0	25.0	89.7	10.3	78.3	21.7
WHITNEY (OSC108)	14.0	86.0	2.0	98.0	53.3	46.7	58.3	41.7	60.0	40.0	80.0	20.0	71.7	28.3
ALS2	14.3	85.7	2.7	97.3	41.7	58.3	70.0	30.0	70.0	30.0	78.3	21.7	75.0	25.0
EDISON (OSC110)	13.3	86.7	1.7	98.3	45.0	55.0	53.3	46.7	65.0	35.0	79.3	20.7	66.7	33.3
GALILEO (OSC116)	12.7	87.3	1.3	98.7	55.0	45.0	73.3	26.7	76.7	23.3	88.3	11.7	81.7	18.3
PICK SD	13.3	86.7	2.7	97.3	56.7	43.3	55.0	36.7	70.0	30.0	85.0	15.0	80.0	20.0
PLAYMATE	16.0	84.0	2.0	98.0	50.0	50.0	68.3	31.7	71.7	28.3	76.7	23.3	76.7	23.3
PROSELECT	11.3	88.7	1.0	99.0	60.0	40.0	66.7	33.3	71.7	28.3	91.0	9.0	78.3	21.7
TOP HAT	10.7	89.3	1.7	98.3	53.3	46.7	46.7	43.3	60.0	40.0	81.7	18.3	68.3	31.7
FLASH II	11.3	88.7	1.3	98.7	45.0	55.0	63.3	36.7	70.0	30.0	88.3	11.7	78.3	21.7
MARVELGREEN SUPREME	17.3	82.7	4.3	95.7	51.7	48.3	66.7	33.3	53.3	46.7	83.3	16.7	73.3	26.7
OVERSEEDING EAGLE BLEND	12.3	87.7	2.3	97.7	50.0	50.0	71.7	28.3	71.7	28.3	85.0	15.0	78.3	21.7
BMX 020383	15.0	85.0	1.7	98.3	46.7	53.3	63.3	36.7	65.0	35.0	82.7	17.3	78.3	21.7
CONFETTI (STP)	14.0	86.0	1.3	98.7	56.7	43.3	55.0	36.7	65.0	35.0	89.3	10.7	73.3	26.7
IS-IR3	13.3	86.7	2.3	97.7	51.7	48.3	70.0	30.0	73.3	26.7	91.3	8.7	78.3	21.7
PLAYOFF (CRR)	17.3	82.7	2.3	97.7	36.7	63.3	50.0	41.7	61.7	38.3	85.0	15.0	75.0	25.0
IS-OS	17.7	82.3	1.3	98.7	58.3	41.7	66.7	33.3	73.3	26.7	89.3	10.7	85.0	15.0
PRS2	17.0	83.0	1.3	98.7	61.7	38.3	68.3	31.7	75.0	25.0	83.3	16.7	76.7	23.3
SLUGGER (OS)	16.0	84.0	1.3	98.7	61.7	38.3	65.0	35.0	71.7	28.3	86.7	13.3	78.3	21.7
CHARGER	22.3	77.7	4.0	96.0	53.3	46.7	70.0	30.0	73.3	26.7	81.7	18.3	80.0	20.0
RAD-OS3	16.7	83.3	1.3	98.7	58.3	41.7	58.3	41.7	68.3	31.7	85.0	15.0	71.7	28.3
COLT	13.3	86.7	1.7	98.3	23.3	76.7	46.7	45.0	60.0	40.0	81.7	18.3	70.0	30.0
WINTERPLAY	18.7	81.3	2.3	97.7	18.3	81.7	50.0	50.0	58.3	41.7	78.3	21.7	66.7	33.3
RAM-100	17.7	82.3	3.0	97.0	35.0	65.0	58.3	41.7	65.0	35.0	80.0	20.0	78.3	21.7
STARLITE	21.3	78.7	3.3	96.7	48.3	51.7	66.7	33.3	71.7	28.3	81.7	18.3	73.3	26.7
LSD VALUE	15.1	15.1	5.2	5.2	49.3	49.3	51.8	53.0	49.0	49.0	43.7	43.7	35.8	35.8
C.V. (%)	35.1	5.9	77.4	1.6	33.6	33.6	23.5	37.9	18.5	40.5	11.9	65.2	12.8	41.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT OKLAHOMA CITY, OK (THE JOHN E. KIRKPATRICK FIVE-HOLE DEMONSTRATION GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	PLOT COLOR 3/3/06	PLOT COLOR 3/9/06	PLOT COLOR 6/9/06	PLOT COLOR 6/22/06
BLACK CAT (MTV-124)	6.3	8.0	8.7	7.0	7.7	7.3	8.3	8.0	7.3
CHAMPION GQ	30.0	7.3	8.7	7.7	8.0	6.7	7.0	8.0	7.3
COVET	13.3	5.7	8.0	7.3	8.0	6.3	6.7	7.3	7.3
FUTURA 2500	15.0	7.3	9.0	7.3	7.7	7.0	7.7	8.0	7.7
LEAGUE MASTER	22.0	7.0	8.0	6.7	8.0	7.0	6.3	7.7	7.0
MAGNUM GOLD	20.0	7.0	8.0	7.3	8.3	7.3	7.3	7.3	7.0
PR 17	11.0	7.7	8.0	7.0	7.7	7.3	7.3	8.0	8.0
WHITNEY (OSC108)	19.3	7.7	8.0	7.0	8.0	6.7	7.0	8.0	7.7
ALS2	15.0	7.0	7.7	6.0	8.3	6.7	7.0	7.3	7.3
EDISON (OSC110)	16.7	6.3	8.0	7.0	8.0	6.7	7.3	7.7	7.7
GALILEO (OSC116)	10.0	6.7	8.3	6.7	8.0	6.7	7.3	7.3	7.0
PICK SD	7.7	8.0	9.0	6.3	8.0	7.0	8.0	7.3	7.3
PLAYMATE	20.0	7.7	9.0	6.3	8.0	7.0	8.0	7.7	7.3
PROSELECT	31.7	6.3	7.7	7.3	8.0	6.0	6.7	7.7	7.0
TOP HAT	36.7	5.7	7.7	6.3	8.3	6.3	6.0	7.0	7.7
FLASH II	20.0	6.7	8.0	7.0	8.0	6.7	7.0	7.3	8.0
MARVELGREEN SUPREME	26.7	8.0	9.0	7.0	8.0	7.0	7.0	7.7	8.0
OVERSEEDING EAGLE BLEND	16.7	6.7	8.0	6.3	8.0	7.0	7.3	7.7	7.3
BMX 020383	16.0	6.7	9.0	7.0	8.0	6.7	7.3	7.7	7.7
CONFETTI (STP)	25.0	6.3	7.7	6.7	8.3	6.7	7.0	7.3	6.7
IS-IR3	17.7	6.0	7.7	6.0	7.3	6.3	7.0	7.3	7.0
PLAYOFF (CRR)	22.7	7.0	8.3	6.7	8.3	6.7	7.0	7.3	7.0
IS-OS	12.0	6.7	8.3	6.0	7.7	5.7	7.0	7.3	7.3
PRS2	14.3	7.0	8.7	6.7	8.0	5.0	6.3	7.7	7.0
SLUGGER (OS)	13.7	7.0	8.0	7.3	8.3	6.7	6.3	7.7	7.3
CHARGER	25.0	5.3	7.0	6.0	7.7	6.0	5.7	7.0	7.0
RAD-OS3	31.7	5.0	8.0	6.3	7.0	4.7	5.0	7.3	6.7
COLT	26.0	3.3	5.7	7.3	7.7	3.7	4.7	5.7	5.3
WINTERPLAY	17.3	4.0	6.3	6.7	7.7	3.7	4.7	5.3	5.3
RAM-100	16.3	4.3	7.0	7.0	8.3	3.3	4.7	5.7	5.0
STARLITE	5.7	4.3	7.3	6.0	8.3	3.0	5.0	6.3	5.7
LSD VALUE	27.0	1.1	0.7	2.8	1.6	1.2	1.2	1.0	1.1
C.V. (%)	57.2	11.0	6.0	12.5	6.5	12.6	11.1	7.8	9.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT OKLAHOMA CITY, OK (THE JOHN E. KIRKPATRICK FIVE-HOLE DEMONSTRATION GOLF COURSE) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL QUALITY IN 2005			WINTER QUALITY IN 2006		QUALITY RATINGS IN SPRING/SUMMER TRANSITION PERIOD IN 2006						QUALITY MEAN	
	11/2	11/23	12/14	1/4	2/28	3/9	4/4	6/9	6/22	6/28	7/13		7/20
BLACK CAT (MTV-124)	8.3	6.0	5.0	6.0	6.3	6.3	7.7	7.3	7.3	7.3	7.0	7.7	6.9
CHAMPION GQ	8.7	6.3	4.7	6.0	6.3	6.0	7.3	8.0	7.7	7.0	6.7	7.7	6.9
COVET	8.3	6.0	5.0	6.3	6.7	6.3	6.0	7.3	7.7	7.3	6.3	7.7	6.8
FUTURA 2500	8.7	6.7	5.0	6.0	6.0	6.0	7.3	7.0	7.3	7.3	7.0	7.7	6.8
LEAGUE MASTER	8.7	6.3	4.7	6.3	5.7	5.3	7.0	7.3	7.7	7.3	7.0	7.7	6.8
MAGNUM GOLD	8.3	6.3	5.0	6.3	6.0	6.0	6.7	7.7	7.3	7.3	7.0	7.7	6.8
PR 17	8.3	6.7	5.0	5.7	5.3	5.7	7.7	8.3	7.3	7.0	6.7	7.7	6.8
WHITNEY (OSC108)	8.3	6.7	4.7	6.3	5.7	6.0	7.7	7.3	7.3	7.3	6.7	7.7	6.8
ALS2	8.7	6.0	5.0	6.0	5.7	5.7	7.0	7.0	7.0	7.7	7.3	7.7	6.7
EDISON (OSC110)	8.0	6.3	4.3	6.0	5.7	6.0	6.3	8.0	7.3	7.7	7.3	7.3	6.7
GALILEO (OSC116)	8.3	6.3	4.7	6.3	5.7	6.0	6.3	7.3	7.7	7.0	6.7	7.7	6.7
PICK SD	8.7	7.0	5.0	6.0	5.0	6.0	7.7	7.0	6.3	6.7	7.3	7.7	6.7
PLAYMATE	8.3	6.3	4.3	5.7	5.7	6.0	7.7	7.7	7.3	7.0	6.7	7.7	6.7
PROSELECT	8.7	6.7	5.0	5.7	5.7	6.0	6.0	8.0	7.0	7.0	7.0	7.7	6.7
TOP HAT	7.3	6.3	5.0	6.3	5.7	5.7	6.0	7.0	8.3	7.7	7.0	7.7	6.7
FLASH II	8.0	5.7	5.0	6.3	6.3	6.3	6.7	7.3	7.3	7.0	6.0	7.7	6.6
MARVELGREEN SUPREME	7.7	6.0	5.0	5.7	5.3	5.7	7.3	7.0	7.7	7.3	7.3	7.7	6.6
OVERSEEDING EAGLE BLEND	7.3	6.0	5.0	6.3	6.3	6.0	6.3	7.0	7.0	7.3	7.0	7.7	6.6
BMX 020383	7.7	5.7	4.7	6.0	4.7	5.7	6.7	6.3	7.7	7.7	7.3	7.7	6.5
CONFETTI (STP)	8.7	6.0	4.7	5.7	5.7	6.3	6.0	6.7	6.3	6.7	7.3	7.7	6.5
IS-IR3	8.3	6.3	4.7	5.7	5.0	6.0	6.0	7.3	7.3	7.0	6.7	7.7	6.5
PLAYOFF (CRR)	8.0	5.7	5.0	5.7	5.7	6.0	7.0	6.3	6.7	6.7	7.3	7.7	6.5
IS-OS	8.7	5.7	4.0	5.3	4.3	5.3	7.0	7.7	7.3	7.0	6.7	7.3	6.4
PRS2	8.0	6.0	4.0	5.3	4.7	5.0	7.0	7.7	7.3	7.3	7.3	7.7	6.4
SLUGGER (OS)	8.3	5.7	4.7	5.3	5.0	5.3	7.0	7.3	7.3	7.0	6.7	7.7	6.4
CHARGER	8.3	6.0	4.7	5.0	5.3	5.7	5.7	7.0	7.3	7.3	6.0	7.7	6.3
RAD-OS3	7.3	5.7	4.3	5.3	4.3	4.7	5.7	7.3	6.3	6.3	6.3	7.0	5.9
COLT	6.3	5.0	3.3	4.7	3.3	5.0	5.0	6.7	5.0	6.3	5.3	6.3	5.2
WINTERPLAY	6.7	4.7	3.3	5.3	4.0	5.3	4.7	6.7	4.7	6.0	5.3	5.7	5.2
RAM-100	6.3	4.0	2.3	4.7	3.7	4.7	5.7	7.0	4.7	6.0	5.3	6.7	5.1
STARLITE	6.3	3.3	2.3	4.3	3.0	4.3	5.0	6.0	4.7	6.0	7.0	6.7	4.9
LSD VALUE	1.1	1.5	1.1	1.7	1.3	1.4	1.3	4.4	1.3	1.2	1.3	0.7	0.4
C.V. (%)	8.3	13.6	14.3	12.7	14.7	11.4	11.9	15.6	11.3	8.3	9.9	5.6	4.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT BRYAN, TX (THE TRADITIONS CLUB AT TEXAS A&M)

SEEDBED PREPARATION

mowed down at .5 in

MOWING

Initial height 0.75"  
 mowing height during test 0.5"  
 Frequency three to four times per week  
 Type of mower Triplex

FERTILIZATION

Date(s)	Product	Rate (lbs./M)
8-Oct-05	10-20-20	1lbN/M
17-Oct-05	21-0-0	.75lbN/M
23-Nov-05	21-0-0	.75lbN/M
13-Dec-05	13.75-0-46	.5lbN/M
16-Jan-06	Iron	4oz/1000
7-Feb-06	20-2-20	1lbN/M
27-Apr-06	21-0-0	.65lbN/M

CULTIVATION

Aerification - dates 17-Apr-18  
 Aerification - type slicer  
 Verticutting 5-May  
 Dates of topdressing  
 Other cultural practices

FUNGICIDES

Date(s)	Product	Rate (oz./M)
None		

HERBICIDES

MAINTENANCE PRACTICES TO ENHANCE SPRING

double cut and dry down

Date(s)	Product	Rate (oz./M)
7-Feb-06	Ronstar	2lbsA.I./A

INSECTICIDES

OTHER INFORMATION

Course closed for overseeding Yes  
 Landing area Yes  
 Divoting problem No  
 Cart allowed on Test area Yes  
 Traffic patterns No

Date(s)	Product	Rate (oz./M)
1-May-06	Merit	7.2oz/A

OTHER PRODUCTS

Date(s)	Product	Rate (oz./M)
None		

NOTES/COMMENTS

None

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 10B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT BRYAN, TX (THE TRADITIONS CLUB AT TEXAS A&M) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER PERCENT COVER OF DORMANCY BERMUDA & LIVING OVERSEEDING GRASSES				PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2005)									
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	DATE 1	DATE 1	DATE 2	DATE 2	DATE 1	DATE 1	DATE 2	DATE 2	DATE 3	DATE 3	DATE 4	DATE 4	DATE 5	DATE 5
COVET	8.3	91.7	1.7	97.7	36.7	63.3	73.3	26.7	63.3	36.7	78.3	5.0	97.7	0
GALILEO (OSC116)	13.3	86.7	5.0	95.0	23.3	76.7	53.3	46.7	60.0	40.0	70.0	13.3	92.7	0
MAGNUM GOLD	10.0	90.0	3.3	96.3	30.0	70.0	63.3	36.7	76.7	23.3	85.0	15.0	99.0	0
CHAMPION GQ	11.7	88.3	6.7	93.3	43.3	56.7	70.0	30.0	73.3	26.7	88.3	11.7	99.0	0
EDISON (OSC110)	15.0	85.0	10.0	90.0	26.7	73.3	63.3	36.7	76.7	23.3	86.7	13.3	99.0	0
FLASH II	16.7	83.3	11.7	88.3	33.3	66.7	73.3	26.7	73.3	26.7	86.7	13.3	99.0	0
TOP HAT	11.7	88.3	8.3	91.3	30.0	70.0	60.0	40.0	73.3	26.7	75.0	25.0	99.0	0
WHITNEY (OSC108)	16.7	83.3	8.3	91.7	33.3	66.7	65.0	35.0	66.7	33.3	85.0	15.0	99.0	0
BMX 020383	18.3	81.7	6.7	93.3	43.3	56.7	76.7	23.3	80.0	20.0	91.7	8.3	99.0	0
CONFETTI (STP)	18.3	81.7	10.0	90.0	40.0	60.0	66.7	33.3	70.0	30.0	83.3	16.7	99.0	0
FUTURA 2500	16.7	83.3	10.0	89.7	60.0	40.0	83.3	16.7	80.0	20.0	95.0	5.0	99.0	0
IS-OS	18.3	81.7	5.0	95.0	43.3	56.7	80.0	20.0	80.0	20.0	91.3	8.3	99.0	0
LEAGUE MASTER	13.3	86.7	10.0	90.0	46.7	53.3	70.0	30.0	76.7	23.3	83.3	16.7	99.0	0
MARVELGREEN SUPREME	18.3	81.7	8.3	91.3	60.0	40.0	76.7	23.3	83.3	16.7	93.0	6.7	99.0	0
OVERSEEDING EAGLE BLEND	16.7	83.3	11.7	88.3	46.7	53.3	73.3	26.7	86.7	13.3	86.7	13.3	99.0	0
PLAYOFF (CRR)	23.3	76.7	10.0	90.0	40.0	60.0	66.7	33.3	66.7	33.3	86.7	13.3	99.0	0
PROSELECT	16.7	83.3	11.7	88.3	40.0	60.0	70.0	30.0	76.7	23.3	88.3	11.7	99.0	0
SLUGGER (OS)	23.3	76.7	11.7	88.3	60.0	40.0	76.7	23.3	83.3	16.7	88.3	11.7	99.0	0
BLACK CAT (MTV-124)	21.7	78.3	13.3	86.7	50.0	50.0	70.0	30.0	80.0	20.0	88.3	11.7	99.0	0
ALS2	16.7	83.3	11.7	88.3	46.7	53.3	70.0	30.0	80.0	20.0	86.7	13.3	99.0	0
CHARGER	18.3	81.7	11.7	88.3	50.0	50.0	70.0	30.0	76.7	23.3	88.3	11.7	99.0	0
PLAYMATE	16.7	83.3	11.7	88.3	50.0	50.0	70.0	23.3	73.3	26.7	86.7	13.3	99.0	0
IS-IR3	21.7	78.3	18.3	81.7	41.7	58.3	80.0	20.0	76.7	23.3	93.0	10.0	99.0	0
PRS2	21.7	78.3	11.7	88.0	50.0	50.0	70.0	30.0	76.7	23.3	83.3	16.7	99.0	0
PICK SD	26.7	73.3	16.7	83.3	66.7	33.3	73.3	26.7	78.3	21.7	91.3	8.3	99.0	0
PR 17	35.0	65.0	15.0	85.0	43.3	56.7	73.3	26.7	80.0	20.0	80.0	20.0	99.0	0
RAD-OS3	23.3	76.7	16.7	83.3	63.3	36.7	83.3	16.7	83.3	16.7	91.7	8.3	99.0	0
RAM-100	26.7	73.3	10.0	89.7	45.0	55.0	66.7	33.3	70.0	30.0	99.0	0.0	99.0	0
WINTERPLAY	26.7	73.3	10.0	90.0	41.7	58.3	70.0	30.0	75.0	25.0	96.3	3.3	99.0	0
STARLITE	36.7	63.3	13.3	86.7	43.3	56.7	66.7	33.3	66.7	23.3	94.7	5.0	99.0	0
COLT	30.0	70.0	21.7	78.3	43.3	56.7	63.3	31.7	83.3	16.7	96.3	3.3	99.0	0
LSD VALUE	21.6	21.6	14.4	14.0	31.4	31.4	31.3	31.6	33.3	36.3	18.2	16.7	6.6	0
C.V. (%)	46.1	11.3	54.8	6.4	30.9	24.5	14.9	36.3	14.0	45.2	9.2	62.8	2.0	.

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 10B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT BRYAN, TX (THE TRADITIONS CLUB AT TEXAS A&M) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	WINTER COLOR	LEAF TEXTURE	FALL QUALITY DATE 1	WINTER QUALITY DATE 1	DATE 2	QUALITY RATINGS DATE 1	DATE 2	IN SPRING/SUMMER DATE 3	IN 2005 DATE 4	DATE 5	QUALITY MEAN
COVET	46.7	6.7	6.7	4.7	6.0	6.7	6.3	6.3	6.7	6.3	5.7	6.1
GALILEO (OSC116)	56.7	7.3	7.0	5.0	6.0	6.0	7.0	6.7	6.7	6.3	5.3	6.1
MAGNUM GOLD	60.0	6.3	6.3	5.3	6.0	6.3	7.0	6.3	6.0	6.0	6.0	6.1
CHAMPION GQ	53.3	7.3	7.0	5.7	5.7	5.7	6.7	6.3	5.7	6.0	6.0	6.0
EDISON (OSC110)	50.0	6.3	6.7	4.7	5.7	5.3	6.7	6.7	6.3	6.3	6.0	6.0
FLASH II	60.0	6.7	6.7	5.0	5.7	6.0	6.7	6.3	6.7	6.0	6.0	6.0
TOP HAT	50.0	6.3	6.7	5.0	6.0	5.3	6.7	7.0	6.3	6.0	6.0	6.0
WHITNEY (OSC108)	60.0	6.7	6.7	5.3	6.0	5.7	6.7	6.3	5.7	6.0	6.0	6.0
BMX 020383	56.7	7.3	7.0	4.7	5.7	5.0	7.0	6.3	6.0	6.3	6.0	5.9
CONFETTI (STP)	46.7	6.7	6.7	4.7	5.7	5.3	6.7	6.0	6.3	6.0	6.0	5.8
FUTURA 2500	30.0	7.3	6.0	4.3	5.7	5.3	6.0	6.0	6.0	6.7	6.0	5.8
IS-OS	50.0	6.3	6.0	4.3	6.3	5.3	6.3	6.0	5.7	6.3	6.0	5.8
LEAGUE MASTER	60.0	6.7	6.7	4.7	5.7	5.0	6.3	6.3	6.0	6.0	6.0	5.8
MARVELGREEN SUPREME	53.3	7.7	6.7	4.3	5.7	6.0	6.3	6.3	5.7	6.3	6.0	5.8
OVERSEEDING EAGLE BLEND	56.7	6.7	7.0	4.7	5.7	5.0	6.3	6.7	6.0	6.3	6.0	5.8
PLAYOFF (CRR)	50.0	7.0	6.7	4.7	5.7	5.7	6.0	6.7	5.7	6.0	6.0	5.8
PROSELECT	66.7	7.0	7.0	4.7	5.3	5.3	6.7	6.7	6.0	6.0	6.0	5.8
SLUGGER (OS)	43.3	6.7	7.0	5.3	5.3	5.0	6.7	6.0	5.7	6.0	6.0	5.8
BLACK CAT (MTV-124)	50.0	8.0	7.0	5.0	5.0	5.0	6.3	6.0	6.0	6.0	6.0	5.7
ALS2	46.7	7.0	6.7	4.3	5.7	5.3	6.0	6.3	5.3	5.7	6.0	5.6
CHARGER	53.3	6.0	5.7	5.0	5.7	5.3	6.3	5.3	5.7	5.7	6.0	5.6
PLAYMATE	43.3	8.0	7.0	4.3	5.7	5.3	6.3	6.0	5.3	6.0	6.0	5.6
IS-IR3	43.3	5.3	6.0	4.3	5.0	5.3	6.0	6.3	5.3	6.0	6.0	5.5
PRS2	43.3	7.3	7.0	4.3	5.3	4.7	6.0	6.3	6.0	5.7	6.0	5.5
PICK SD	50.0	8.0	7.0	4.0	5.3	4.7	5.7	6.0	5.0	6.3	6.0	5.4
PR 17	35.0	7.7	6.7	3.7	5.0	4.7	6.0	6.0	6.0	6.0	6.0	5.4
RAD-OS3	36.7	4.7	5.0	4.7	5.0	4.3	5.7	5.7	5.0	6.3	6.0	5.3
RAM-100	35.0	5.3	6.3	3.7	5.0	5.3	7.0	5.7	3.7	6.3	6.0	5.3
WINTERPLAY	33.3	5.0	6.7	4.0	4.7	5.0	7.0	4.3	4.3	6.0	6.0	5.2
STARLITE	26.7	5.7	6.3	3.7	4.0	4.3	7.0	5.7	3.7	6.3	6.0	5.1
COLT	21.7	3.7	6.7	3.3	4.0	3.3	5.7	4.0	4.7	6.3	6.0	4.7
LSD VALUE	15.9	0.9	0.8	0.9	0.9	1.4	1.1	0.7	0.9	1.9	0.8	0.3
C.V. (%)	19.8	8.5	7.0	11.5	9.7	13.8	7.9	7.4	9.9	8.0	3.8	3.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11A. 2005-06 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT ROANOKE, VA (ROANOKE COUNTRY CLUB)

SEEDBED PREPARATION		FERTILIZATION		
None		Date(s)	Product	Rate (lbs./M)
MOWING	3X per week	3/20/2006	0-0-20	200lbs/A
Initial height	7/8"	14-Jun-06	22-8-15	135lbs/A
mowing height during test	1/2" - 3/4"	7/8/2006	19-7-14 Poly-on	150lbs/A
Frequency	3X per week	8-Aug	19-10-19	109lbs/A
Type of mower	Toro 6700	23-Aug	5-14-30	145/A
CULTIVATION		FUNGICIDES		
		Date(s)	Product	Rate (oz./M)
Aerification - dates	September			
Aerification - type	Core	July spot spray	Mefenoxam	1 oz/M
Verticutting	None	July spot spray	Chlorothalonil	2 oz/M
Dates of topdressing	None			
Other cultural practices	None			
MAINTENANCE PRACTICES TO ENHANCE SPRING		HERBICIDES		
		Date(s)	Product	Rate (oz./M)
		20-Mar-06	Oxadiazon 1.5%	200lbs/A
OTHER INFORMATION		INSECTICIDES		
Course closed for overseeding	No			
Landing area	No	Date(s)	Product	Rate (oz./M)
Divoting problem	No	8-Jul-06	Imidacloprid	.3/A
Cart allowed on Test area	Yes			
Traffic patterns	90 Degree rule			
NOTES/COMMENTS		OTHER PRODUCTS		
		Date(s)	Product	Rate (oz./M)
		Monthly May - August	Trinexapac	.25 oz/M

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective owners

TABLE 11B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT ROANOKE, VA (ROANOKE COUNTRY CLUB) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER PERCENT COVER OF DORMANCY BERMUDA & LIVING OVERSEEDING GRASSES (2006)				PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2006)											
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED		
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS		
	2/24	2/24	3/14	3/14	4/7	4/7	5/8	5/8	5/22	5/22	6/15	6/15	7/19	7/19		
IS-IR3	26.7	73.3	18.3	81.7	11.7	88.3	12.0	86.7	43.3	56.7	86.7	13.3	97.0	3.0		
RAD-OS3	20.0	80.0	8.3	91.7	16.7	83.3	18.0	80.0	36.7	56.7	76.7	23.3	94.3	5.7		
TOP HAT	33.3	66.7	11.7	88.3	15.0	78.3	21.0	76.7	46.7	53.3	86.7	13.3	96.0	4.0		
GALILEO (OSC116)	33.3	66.7	25.0	75.0	16.7	86.7	15.0	83.3	43.3	56.7	80.0	20.0	88.3	5.7		
LEAGUE MASTER	30.0	70.0	15.0	85.0	10.0	90.0	9.0	90.0	40.0	60.0	83.3	16.7	94.3	5.7		
MAGNUM GOLD	30.0	70.0	15.0	85.0	10.0	90.0	9.0	90.0	36.7	63.3	73.3	26.7	95.0	5.0		
PROSELECT	26.7	73.3	11.7	88.3	11.7	88.3	15.0	83.3	40.0	60.0	80.0	20.0	88.3	11.7		
CHAMPION GQ	30.0	70.0	23.3	76.7	20.0	80.0	18.0	80.0	40.0	60.0	76.7	23.3	93.3	5.7		
CHARGER	23.3	76.7	13.3	86.7	10.0	83.3	18.0	80.0	46.7	53.3	86.7	13.3	86.7	13.3		
EDISON (OSC110)	26.7	73.3	21.7	78.3	13.3	86.7	15.0	83.3	36.7	63.3	73.3	26.7	93.3	6.7		
BLACK CAT (MTV-124)	26.7	73.3	16.7	83.3	20.0	80.0	18.0	80.0	40.0	60.0	80.0	20.0	86.7	13.3		
CONFETTI (STP)	26.7	73.3	26.7	73.3	18.3	85.0	15.0	83.3	33.3	66.7	76.7	23.3	97.0	3.0		
PLAYMATE	33.3	66.7	23.3	76.7	23.3	76.7	24.0	73.3	43.3	56.7	86.7	13.3	90.0	10.7		
COLT	40.0	60.0	20.0	80.0	15.0	81.7	15.0	83.3	36.7	63.3	76.7	23.3	95.0	5.0		
COVET	36.7	63.3	33.3	66.7	15.0	85.0	15.0	83.3	40.0	60.0	90.0	10.0	92.7	7.3		
OVERSEEDING EAGLE BLEND	30.0	70.0	16.7	83.3	20.0	76.7	21.0	76.7	40.0	60.0	66.7	30.0	93.3	5.7		
PLAYOFF (CRR)	30.0	70.0	26.7	73.3	20.0	83.3	21.0	76.7	40.0	60.0	76.7	23.3	94.3	5.7		
SLUGGER (OS)	33.3	66.7	26.7	73.3	16.7	83.3	15.0	83.3	40.0	60.0	83.3	16.7	93.3	6.7		
FLASH II	26.7	73.3	16.7	83.3	15.0	85.0	18.0	80.0	40.0	60.0	73.3	30.0	91.7	8.3		
MARVELGREEN SUPREME	23.3	76.7	16.7	83.3	15.0	85.0	18.0	80.0	43.3	56.7	66.7	33.3	91.7	8.3		
PRS2	33.3	66.7	26.7	73.3	23.3	73.3	27.0	70.0	46.7	53.3	80.0	20.0	93.7	6.3		
WINTERPLAY	30.0	70.0	23.3	76.7	20.0	86.7	15.0	83.3	40.0	60.0	80.0	20.0	91.0	12.0		
BMX 020383	30.0	70.0	20.0	80.0	15.0	85.0	18.0	80.0	40.0	60.0	66.7	33.3	94.3	5.7		
IS-OS	33.3	66.7	26.7	53.3	18.3	81.7	15.0	83.3	36.7	63.3	70.0	30.0	95.3	4.7		
ALS2	30.0	70.0	23.3	76.7	26.7	73.3	24.0	73.3	43.3	56.7	70.0	30.0	86.7	13.3		
RAM-100	33.3	66.7	30.0	70.0	16.7	83.3	18.0	80.0	40.0	60.0	66.7	33.3	95.7	4.3		
FUTURA 2500	36.7	63.3	28.3	71.7	26.7	73.3	21.0	76.7	43.3	56.7	86.7	13.3	94.3	5.7		
PICK SD	33.3	66.7	23.3	76.7	33.3	66.7	30.0	66.7	46.7	53.3	80.0	20.0	87.7	12.3		
WHITNEY (OSC108)	36.7	63.3	36.7	63.3	26.7	76.7	21.0	76.7	46.7	53.3	86.7	13.3	85.0	9.0		
PR 17	40.0	60.0	40.0	60.0	26.7	73.3	24.0	73.3	40.0	60.0	76.7	23.3	91.7	8.3		
STARLITE	40.0	60.0	36.7	63.3	28.3	71.7	27.0	70.0	40.0	60.0	73.3	26.7	93.3	6.7		
LSD VALUE	26.6	26.6	19.7	22.6	22.2	21.7	13.9	15.5	17.5	20.7	33.3	34.0	10.2	14.1		
C.V. (%)	26.9	12.1	41.4	14.0	46.1	10.4	34.1	8.8	13.9	10.3	14.2	50.4	4.8	65.8		

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.  
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES IN THE  
2004 USGA/GCSAA/NTEP ON-SITE OVERSEEDING OF BERMUDAGRASS FAIRWAY TEST  
AT ROANOKE, VA (ROANOKE COUNTRY CLUB) 1/  
2005-06 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT EARLY ESTABLISHED	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	WINTER QUALITY IN 2006		SPRING/SUMMER QUALITY RATINGS IN 2006					QUALITY MEAN
						1/17	2/14	3/14	4/7	5/8	6/15	7/19	
IS-IR3	50.0	7.3	3.7	8.0	8.0	3.0	5.0	5.7	7.7	7.7	8.7	8.3	6.6
RAD-OS3	73.3	8.0	4.0	7.7	8.0	3.0	6.0	7.0	7.0	8.0	8.0	7.3	6.6
TOP HAT	70.0	7.7	3.7	8.0	9.0	3.3	5.0	6.3	6.3	8.0	8.3	8.7	6.6
GALILEO (OSC116)	53.3	8.7	4.7	7.3	9.0	3.0	5.3	5.7	6.7	9.0	8.3	7.7	6.5
LEAGUE MASTER	53.3	8.3	4.3	8.0	8.3	3.0	5.0	6.0	7.7	8.7	8.0	7.3	6.5
MAGNUM GOLD	63.3	8.7	4.3	7.7	8.3	3.0	5.0	6.0	7.3	7.3	8.3	8.3	6.5
PROSELECT	73.3	7.7	4.3	8.0	8.7	3.3	5.3	6.3	7.0	7.7	7.7	8.0	6.5
CHAMPION GQ	63.3	8.3	5.0	7.3	8.7	3.0	5.3	6.3	6.3	7.7	7.7	8.7	6.4
CHARGER	63.3	7.3	3.7	7.3	8.3	3.0	5.7	6.3	7.0	8.0	7.3	7.7	6.4
EDISON (OSC110)	53.3	7.3	4.7	7.0	8.0	3.0	5.0	5.3	7.3	7.7	8.3	8.0	6.4
BLACK CAT (MTV-124)	63.3	8.3	4.7	8.0	9.0	2.7	5.0	6.0	6.7	8.0	8.7	7.3	6.3
CONFETTI (STP)	60.0	8.0	4.3	7.3	9.0	3.0	5.0	6.0	6.0	7.7	7.7	8.7	6.3
PLAYMATE	56.7	8.0	4.7	8.0	8.3	3.0	5.0	5.7	6.3	7.7	8.3	8.0	6.3
COLT	60.0	8.0	3.7	7.0	9.0	3.0	5.0	6.3	6.0	7.3	7.7	8.3	6.2
COVET	56.7	8.0	4.3	8.0	7.7	3.0	5.3	5.3	6.7	7.3	7.7	8.3	6.2
OVERSEEDING EAGLE BLEND	50.0	8.3	4.7	6.7	8.3	3.0	5.0	5.7	6.3	7.3	8.0	8.3	6.2
PLAYOFF (CRR)	50.0	7.3	4.0	7.3	9.0	3.0	5.0	5.3	6.3	8.0	7.7	8.0	6.2
SLUGGER (OS)	43.3	8.0	4.3	7.7	9.0	3.0	4.7	5.3	6.3	7.7	8.0	8.3	6.2
FLASH II	53.3	7.3	4.3	6.7	8.0	3.0	5.0	6.3	6.3	7.0	7.3	7.7	6.1
MARVELGREEN SUPREME	60.0	8.3	5.0	6.7	8.7	3.0	5.0	6.0	6.3	8.0	7.0	7.7	6.1
PRS2	56.7	8.0	4.3	7.7	8.3	3.0	4.7	5.3	5.7	7.7	8.3	8.0	6.1
WINTERPLAY	45.0	8.0	4.0	7.7	8.3	3.0	4.7	5.3	6.0	7.7	8.0	8.3	6.1
BMX 020383	56.7	7.3	4.3	6.0	9.0	3.0	5.0	5.7	6.3	8.7	5.7	8.0	6.0
IS-OS	43.3	8.0	4.7	7.3	7.3	2.7	4.7	5.3	6.7	7.3	7.3	7.7	6.0
ALS2	56.7	8.0	4.3	7.0	8.3	3.0	5.0	5.0	6.0	7.7	7.0	7.3	5.9
RAM-100	50.0	8.0	3.3	6.7	8.7	3.0	4.7	4.0	6.3	8.0	7.3	7.7	5.9
FUTURA 2500	40.0	8.0	4.0	7.7	8.3	3.0	4.3	4.7	5.7	6.7	8.0	8.3	5.8
PICK SD	60.0	7.0	4.7	7.0	7.3	3.0	5.0	6.0	5.0	6.7	7.0	8.0	5.8
WHITNEY (OSC108)	36.7	8.0	3.7	7.7	9.0	2.7	4.3	4.3	5.3	7.3	8.0	7.7	5.7
PR 17	20.0	8.0	5.3	7.7	8.0	2.3	4.0	4.3	5.7	6.7	8.0	7.3	5.5
STARLITE	36.7	8.0	3.7	7.3	9.0	3.0	4.0	4.3	5.3	6.7	7.0	7.3	5.4
LSD VALUE	28.6	5.1	1.3	2.7	1.9	0.7	2.4	2.0	2.2	1.9	3.3	2.1	0.7
C.V. (%)	25.3	14.3	14.0	11.6	8.5	8.6	14.8	16.3	14.0	10.2	13.4	8.8	5.8

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STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.