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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 2005. 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	MTV-124	Perennial ryegrass	Mountain View Seed Ltd.
21	OS	Perennial ryegrass	Mountain View Seed Ltd.
22	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	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	OSC110	Perennial ryegrass	Olsen Seed Co.
28	OSC108	Perennial ryegrass	Olsen Seed Co.
29	Covet	Perennial ryegrass	Olsen Seed Co.
30	OSC116	Perennial ryegrass	Olsen Seed Co.
31	Colt	poa trivialis	Standard entry

TABLE 1A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT MARANA, AZ (HERITAGE HIGHLANDS GOLF & C.C.)

SEEDBED PREPARATION	FERTILIZATION		
	Date(s)	Product	Rate (lbs./M)
MOWING		5.12 lbs N (85% from the effluent water)	
Initial height			1.6 lbs P
mowing height during test			3.4 lb s K.
Frequency	from Nov 04 to April 05	Iron applied three times	
Type of mower			
	FUNGICIDES		
	Date(s)	Product	Rate (oz./M)
CULTIVATION			
Aerfication - dates	None		
Aerification - type			
Verticutting			
Dates of topdressing	HERBICIDES		
Other cultural practices	Date(s)	Product	Rate (oz./M)
MAINTENANCE PRACTICES TO ENHANCE SPRING	None		
	INSECTICIDES		
	Date(s)	Product	Rate (oz./M)
COURSE CLOSED FOR OVERSEEDING			
Landing area			
Divoting problem	None		
Cart allowed on Test area			
Traffic patterns	OTHER PRODUCTS		
	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

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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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2004										WINTER PERCENT COVER OF (2004)					
	BERMUDA		OVERSEED		BERMUDA		OVERSEED		BERMUDA		OVERSEED		DORMANCY	LIVING	DORMANCY	LIVING
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	10/09	10/09	10/19	10/19	10/28	10/28	12/02	12/02	12/16/04	12/16/04	12/30	12/30	1/13/05	1/13/05		
COVET	90.0	10.0	75.3	25.3	27.7	72.7	15.0	85.0	11.7	88.3	6.3	93.7	0.7	98.7		
CRR	90.7	9.3	64.3	36.0	17.7	82.7	26.7	73.3	20.0	80.0	11.3	88.7	2.3	97.3		
OSC116	86.7	13.3	53.7	47.0	16.0	84.3	18.3	81.7	15.0	85.0	8.0	92.0	0.7	98.7		
OVERSEEDING EAGLE BLEND	88.3	11.7	56.0	44.3	9.3	91.0	21.7	78.3	20.0	80.0	11.0	89.0	1.7	97.7		
CHAMPION GQ	90.0	10.0	62.7	37.7	17.0	83.7	21.7	78.3	15.0	85.0	8.7	91.3	2.3	97.3		
FLASH II	90.0	10.0	66.0	34.3	23.7	77.0	20.0	80.0	13.3	86.7	7.7	92.3	1.3	98.3		
LEAGUE MASTER	88.3	11.7	61.3	39.7	11.0	89.3	16.7	83.3	11.7	88.3	6.7	93.3	0.7	98.7		
PROSELECT	88.3	11.7	59.0	41.7	17.0	83.7	18.3	81.7	13.3	86.7	7.0	93.0	0.7	98.7		
MAGNUM GOLD	86.7	13.3	52.7	47.7	12.7	87.7	21.7	78.3	18.3	81.7	9.7	90.3	0.0	99.0		
TOP HAT	87.3	12.7	73.3	27.7	19.3	81.0	20.0	80.0	11.7	88.3	6.3	93.7	0.7	98.7		
ALS2	92.3	7.7	74.3	26.0	31.3	69.7	21.7	78.3	20.0	80.0	12.0	88.0	3.3	96.3		
FUTURA 2500	91.3	8.7	69.7	30.7	23.0	78.0	16.7	83.3	15.0	85.0	9.3	90.7	3.0	97.0		
MTV-124	89.0	11.0	60.3	39.7	19.3	81.0	25.0	75.0	21.7	78.3	12.3	87.7	2.3	97.3		
STP	85.7	14.3	63.7	37.0	21.0	79.3	20.0	80.0	16.7	83.3	9.3	90.7	1.3	98.3		
BMX 020383	91.0	9.0	54.3	46.0	18.7	82.0	21.7	78.3	18.3	81.7	10.3	89.7	2.3	97.3		
MARVELGREEN SUPREME	91.7	8.3	55.3	45.3	13.7	87.0	23.3	76.7	20.0	80.0	10.7	89.3	1.3	98.3		
OSC108	93.3	6.7	62.3	38.3	20.3	80.3	28.3	71.7	18.3	81.7	11.3	88.7	3.3	96.0		
OSC110	94.0	6.0	65.3	35.3	18.7	82.0	21.7	78.3	18.3	81.7	10.0	90.0	1.3	98.3		
PRS2	89.0	11.0	56.7	43.3	23.0	78.0	26.7	73.3	18.3	81.7	11.3	88.7	3.3	96.3		
CHARGER	90.0	10.0	67.0	33.7	31.0	69.3	16.7	83.3	15.0	84.7	8.7	91.0	1.7	97.7		
IS-IR3	93.7	6.3	68.7	32.0	30.3	70.3	18.3	81.7	18.3	81.7	10.0	90.0	1.7	97.7		
PLAYMATE	86.7	13.3	56.3	44.7	14.3	86.0	28.3	71.7	31.7	68.3	18.3	81.7	4.0	96.0		
IS-OS	93.0	7.0	69.7	31.3	26.3	74.7	26.7	73.3	16.7	83.3	10.0	90.0	2.3	97.3		
PR 17	94.7	5.3	77.3	23.0	30.3	70.3	28.3	71.7	21.7	78.3	13.3	86.7	4.7	95.3		
OS	91.7	8.3	72.7	27.7	34.7	66.3	30.0	70.0	31.7	68.3	18.3	81.7	5.0	95.0		
PICK SD	96.3	3.7	67.7	32.7	21.0	79.3	26.7	73.3	25.0	75.0	15.3	84.7	5.7	94.3		
RAD-OS3	93.3	6.7	75.3	25.3	41.3	59.7	20.0	80.0	16.7	83.3	10.0	90.0	3.0	97.0		
WINTERPLAY	95.7	4.0	89.7	10.7	60.0	40.0	31.7	68.3	30.0	70.0	20.0	80.0	10.0	89.7		
RAM-100	95.0	5.0	91.0	9.7	51.0	49.3	38.3	61.7	33.3	66.7	27.0	73.0	20.0	80.0		
STARLITE	95.7	4.3	78.3	22.3	52.0	48.7	40.0	60.0	40.0	60.0	29.3	70.7	18.3	81.7		
COLT	98.7	1.3	91.3	9.0	60.3	40.3	45.0	55.0	43.3	56.7	35.0	65.0	26.7	73.3		
LSD VALUE	12.4	12.4	18.7	18.6	16.3	16.4	11.8	11.8	15.8	15.7	10.6	10.6	8.1	7.9		
C.V. (%)	5.2	54.2	15.5	31.5	38.6	13.7	27.6	8.9	41.0	10.6	48.5	7.1	113.2	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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005											
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	5/12	5/12	5/25	5/25	6/9	6/9	6/16	6/16	6/30	6/30	7/14	7/14
COVET	13.3	86.7	31.7	68.3	28.3	71.7	30.0	66.7	46.7	23.3	76.7	23.3
CRR	13.3	86.7	36.7	63.3	36.7	63.3	40.0	51.7	66.7	23.3	86.3	23.3
OSC116	15.0	85.0	38.3	61.7	33.3	66.7	26.7	65.0	53.3	30.0	83.0	30.0
OVERSEEDING EAGLE BLEND	26.7	73.3	38.3	61.7	33.3	63.3	36.7	56.7	61.7	30.0	76.7	30.0
CHAMPION GQ	21.7	78.3	36.7	63.3	28.3	71.7	35.0	56.7	50.0	30.0	82.7	30.0
FLASH II	18.3	81.7	38.3	61.7	35.0	60.0	26.7	45.0	53.3	25.0	80.0	25.0
LEAGUE MASTER	15.0	85.0	30.0	70.0	33.3	61.7	30.0	36.7	60.0	26.7	72.7	26.7
PROSELECT	11.7	88.3	30.0	70.0	31.7	61.7	23.3	43.3	41.7	23.3	76.0	23.3
MAGNUM GOLD	16.7	83.3	30.0	70.0	46.7	48.3	36.7	38.3	50.0	31.7	65.3	31.7
TOP HAT	15.0	85.0	35.0	65.0	30.0	70.0	40.0	53.3	58.3	16.7	88.3	16.7
ALS2	25.0	75.0	36.7	63.3	36.7	61.7	31.7	58.3	61.7	20.0	70.0	20.0
FUTURA 2500	21.7	78.3	40.0	60.0	38.3	61.7	28.3	46.7	58.3	25.0	85.3	25.0
MTV-124	21.7	78.3	35.0	65.0	36.7	58.3	35.0	48.3	53.3	25.0	76.3	25.0
STP	18.3	81.7	35.0	65.0	28.3	56.7	18.3	45.0	35.0	28.3	73.3	28.3
BMX 020383	16.7	83.3	41.7	58.3	28.3	68.3	28.3	43.3	53.3	26.7	84.0	26.7
MARVELGREEN SUPREME	13.3	86.7	38.3	61.7	25.0	71.7	26.7	40.0	43.3	21.7	75.0	21.7
OSC108	15.0	85.0	33.3	66.7	36.7	58.3	28.3	40.0	50.0	13.3	65.7	13.3
OSC110	21.7	78.3	26.7	73.3	23.3	68.3	23.3	41.7	45.0	18.3	71.7	18.3
PRS2	15.0	85.0	41.7	58.3	48.3	46.7	25.0	60.0	71.7	23.3	81.7	23.3
CHARGER	10.0	90.0	48.3	51.7	43.3	55.0	26.7	61.7	63.3	20.0	62.0	20.0
IS-IR3	28.3	71.7	41.7	58.3	33.3	65.0	28.3	58.3	55.0	16.7	86.3	16.7
PLAYMATE	28.3	71.7	25.0	75.0	30.0	65.0	25.0	50.0	36.7	25.0	69.0	25.0
IS-OS	21.7	78.3	33.3	66.7	31.7	51.7	31.7	33.3	55.0	20.0	74.0	20.0
PR 17	20.0	80.0	38.3	61.7	38.3	50.0	20.0	45.0	31.7	40.0	72.0	40.0
OS	18.3	81.7	51.7	48.3	35.0	63.3	26.7	50.0	60.0	11.7	73.7	11.7
PICK SD	23.3	76.7	25.0	75.0	28.3	56.7	20.0	25.0	63.3	11.7	78.0	11.7
RAD-OS3	18.3	81.7	41.7	58.3	31.7	68.3	36.7	53.3	43.3	26.7	77.7	26.7
WINTERPLAY	6.7	93.3	16.7	83.3	10.0	58.3	10.0	36.7	26.7	26.7	53.0	26.7
RAM-100	16.7	83.3	10.0	90.0	8.3	60.0	6.7	23.3	31.7	20.0	62.3	20.0
STARLITE	6.7	93.3	13.3	86.7	6.0	54.0	8.3	41.7	21.7	31.7	57.3	31.7
COLT	5.0	95.0	11.7	88.3	8.3	56.7	15.0	33.3	40.0	26.7	80.0	26.7
LSD VALUE	18.1	18.1	13.9	13.9	13.4	36.5	21.8	52.7	41.6	53.0	28.1	53.0
C.V. (%)	45.1	9.5	25.1	12.5	26.9	18.8	38.9	37.5	34.0	56.1	15.7	56.1

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT OVERSEEDING					WINTER QUALITY														
	GRASSES ESTABLISHED	EARLY	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	FALL QUALITY IN 2004					1/20 2/10		SPRING/SUMMER QUALITY (2005)					QUALITY MEAN	
							10/21	11/4	12/9	12/30	1/6	2005	2005	5/12	5/25	6/9	6/16	6/30	7/14	
COVET	75.0		7.0	7.0	7.0	6.3	5.3	6.7	7.3	7.3	7.3	6.7	7.3	7.3	7.7	7.3	7.3	6.7	5.0	6.8
CRR	80.0		6.7	6.7	7.7	6.7	5.3	7.0	6.7	6.3	7.3	7.0	7.0	7.3	7.7	8.3	6.7	5.7	6.0	6.8
OSC116	76.7		7.3	7.7	7.7	7.3	7.0	7.7	6.7	7.3	7.7	7.0	7.0	7.0	7.3	8.0	6.7	4.7	5.3	6.8
OVERSEEDING EAGLE BLEND	88.3		7.0	6.7	7.3	7.3	6.3	7.0	6.3	6.7	7.0	7.0	6.7	7.3	7.7	7.3	7.0	5.3	6.0	6.7
CHAMPION GQ	81.7		8.3	8.0	7.3	7.3	6.3	7.0	6.0	7.7	7.7	6.3	7.3	7.3	7.7	7.3	6.3	5.3	4.3	6.6
FLASH II	78.3		7.3	6.7	7.3	6.7	5.3	6.3	6.7	7.0	7.0	6.7	7.3	7.3	8.0	6.7	5.3	5.7	6.6	6.6
LEAGUE MASTER	85.0		7.0	6.7	7.0	6.7	6.0	6.7	7.0	7.0	7.7	6.7	7.3	7.0	7.7	7.0	5.7	5.3	6.0	6.6
PROSELECT	85.0		7.3	7.0	7.0	6.7	6.3	7.0	6.7	7.0	7.7	7.3	7.0	7.7	8.0	7.0	5.3	5.3	4.7	6.6
MAGNUM GOLD	80.0		6.7	7.0	6.7	7.0	6.3	7.7	7.0	6.7	6.7	7.3	7.0	7.3	7.0	7.0	6.0	4.7	5.3	6.5
TOP HAT	83.3		6.0	5.7	7.7	5.7	4.7	5.7	6.7	6.7	7.7	6.3	7.0	7.3	7.3	7.7	7.3	5.7	4.7	6.5
ALS2	60.0		7.7	7.3	7.3	7.3	6.7	6.3	6.7	6.3	6.7	6.7	6.7	6.7	7.0	7.7	6.3	5.3	5.0	6.4
FUTURA 2500	73.3		7.7	7.3	6.7	6.7	6.3	6.7	6.7	6.3	6.7	7.0	6.7	7.0	7.3	7.7	6.0	4.7	4.7	6.4
MTV-124	83.3		8.3	8.7	7.0	7.7	7.0	7.3	6.0	7.0	6.7	6.7	7.0	6.3	6.3	6.7	5.7	5.7	5.0	6.4
STP	71.7		6.7	6.3	7.0	7.3	5.7	7.3	6.0	7.3	8.0	7.0	7.0	7.0	6.7	7.3	5.0	4.7	4.7	6.4
BMX 020383	81.7		7.3	8.0	7.0	7.0	5.0	7.0	6.0	7.0	6.7	6.7	6.7	6.7	6.7	7.7	6.3	5.0	5.0	6.3
MARVELGREEN SUPREME	83.3		8.0	8.0	7.0	7.0	7.0	7.0	6.7	6.7	7.7	7.0	6.7	6.7	6.0	6.3	5.7	4.3	4.3	6.3
OSC108	78.3		7.7	7.3	7.0	7.0	6.7	6.3	6.0	6.7	7.0	6.3	6.7	7.7	6.7	7.7	5.7	4.3	4.7	6.3
OSC110	76.7		6.7	7.0	7.7	7.0	5.7	7.0	6.3	6.3	7.0	6.7	6.3	7.0	6.0	7.3	6.0	4.7	4.7	6.2
PRS2	76.7		7.3	6.7	6.7	7.0	6.3	6.0	5.7	6.3	6.3	6.3	6.7	6.7	5.7	7.0	6.0	5.7	5.3	6.2
CHARGER	65.0		5.3	5.3	7.0	5.7	5.0	5.7	6.7	6.7	5.7	6.3	7.0	6.3	7.0	6.3	6.7	4.7	5.0	6.0
IS-IR3	70.0		6.7	7.0	6.3	6.0	5.3	6.3	6.0	6.0	6.3	5.3	6.7	7.3	6.3	7.0	6.3	5.3	4.7	6.0
PLAYMATE	81.7		8.0	8.3	7.0	7.3	7.3	7.0	5.0	6.3	7.3	6.0	5.7	6.7	5.7	6.7	5.7	5.3	4.0	6.0
IS-OS	73.3		6.7	7.0	7.0	6.3	5.3	6.0	6.3	6.7	6.3	6.3	6.7	6.7	6.0	6.3	4.3	4.0	4.7	5.8
PR 17	71.7		7.3	7.7	7.0	5.3	6.0	5.7	5.7	6.3	7.3	5.3	6.0	6.7	6.7	7.0	5.0	3.7	4.7	5.8
OS	63.3		7.0	6.7	6.7	7.3	6.7	6.0	5.0	5.7	6.7	5.0	5.7	6.7	6.0	6.7	5.0	5.0	4.3	5.7
PICK SD	85.0		9.0	9.0	6.0	6.0	7.7	6.7	5.7	5.3	6.0	6.0	5.3	6.0	5.7	6.3	4.3	3.3	4.3	5.6
RAD-OS3	58.3		5.3	5.7	6.0	6.0	4.3	5.0	6.0	6.0	6.0	5.3	6.0	6.3	6.0	7.0	6.7	5.0	4.7	5.6
WINTERPLAY	38.3		4.0	4.3	6.3	5.0	4.0	3.3	5.3	4.3	4.3	4.7	4.7	4.3	5.3	5.0	3.3	3.3	3.3	4.2
RAM-100	53.3		4.0	4.3	7.0	5.0	4.3	4.0	4.0	4.3	4.0	4.0	4.3	3.3	6.0	6.3	2.7	2.3	4.0	4.1
STARLITE	51.7		4.3	4.3	5.3	4.7	4.7	3.7	3.7	4.3	4.3	3.3	4.3	4.0	5.7	4.7	3.3	3.0	3.7	4.1
COLT	45.0		4.0	3.3	5.3	4.3	4.0	3.7	3.0	3.7	3.7	3.3	3.7	3.3	5.3	5.0	3.3	2.7	4.3	3.9
LSD VALUE	22.9		0.9	0.9	2.3	1.1	1.8	1.1	1.7	1.5	1.4	1.3	1.3	1.3	2.5	1.6	1.9	2.6	4.5	0.7
C.V. (%)	17.4		8.8	8.6	12.6	10.7	16.9	11.8	15.7	13.6	13.0	13.2	12.5	12.9	16.0	12.7	19.8	25.6	25.8	7.7

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 2A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT INDIAN WELLS, CA (INDIAN WELLS COUNTRY CLUB)

SEEDBED PREPARATION		FERTILIZATION		
Scalp to stolons		Date(s)	Product	Rate (lbs./M)
		4-Nov-04	Best 12-12-12	0.75 lb N/M
MOWING		8-Dec-04	Best 22-3-9 NitraKing	1.0 lb N/M
		25-Jan-05	Best 22-3-9 NitraKing	1.0 lb N/M
Initial height	3/4"	5-May-05	Best 25-5-5	1.3 lb N/M
mowing height during test	1/2"	Monthly	AN 20 (Liquid)	0.1 lb N/M
Frequency	6 days/week			
Type of mower	Toro 5400 ReelMaster			
CULTIVATION		FUNGICIDES		
		Date(s)	Product	Rate (oz./M)
Aerification - dates	N/A	None		
Aerification - type	N/A			
Verticutting	N/A			
Dates of topdressing	N/A			
Other cultural practices	N/A			
MAINTENANCE PRACTICES TO ENHANCE SPRING		HERBICIDES		
		Date(s)	Product	Rate (oz./M)
None		None		
OTHER INFORMATION		INSECTICIDES		
		Date(s)	Product	Rate (oz./M)
Course closed for overseeding	Yes	None		
Landing area	Yes			
Divoting problem	No			
Cart allowed on Test area	Yes			
Traffic patterns	No			
NOTES/COMMENTS		OTHER PRODUCTS		
		Date(s)	Product	Rate (oz./M)
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.		10/15-25/2004	Dispatch	Accumulative of 2 oz/M (injected through irrigation system)
		28-Oct-04	Primo Maxx	0.25 oz/M

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From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/ 2004-05 DATA TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2004				WINTER PERCENT COVER OF (2005)		PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2005)							
	BERMUDA GRASS		OVERSEED GRASS		DORMANCY	LIVING	BERMUDA GRASS		OVERSEED GRASS		BERMUDA GRASS		OVERSEED GRASS	
	12/2	12/2	12/16	12/16	2/9	2/9	3/4	3/4	4/6	4/6	5/4	5/4	6/9	6/9
FLASH II	4.0	96.0	3.3	96.3	0.0	99.0	11.7	88.3	38.3	56.7	90.0	10.0	84.5	15.0
OVERSEEDING EAGLE BLEND	5.0	93.3	8.3	90.0	0.0	99.0	16.7	83.3	33.3	63.3	86.7	13.3	62.5	22.5
OSC116	4.7	95.3	3.3	94.7	0.0	99.0	10.0	85.0	33.3	56.7	60.0	30.0	60.0	40.0
PR 17	6.7	90.0	10.0	90.0	0.0	99.0	10.0	88.3	36.7	60.0	81.7	15.0	87.5	12.5
STP	10.0	88.3	5.0	93.0	0.0	99.0	5.0	93.0	30.0	60.0	83.3	16.7	92.5	7.5
BMX 020383	6.7	93.3	3.3	96.3	0.7	97.3	18.3	78.3	33.3	56.7	76.7	20.0	77.5	22.5
LEAGUE MASTER	6.7	93.3	11.7	85.0	0.0	99.0	15.0	85.0	43.3	53.3	83.3	16.7	65.0	35.0
OS	8.3	91.7	10.0	86.7	1.3	97.0	20.0	80.0	40.0	58.3	66.7	30.0	80.0	20.0
OSC108	6.7	93.0	8.3	90.0	0.7	98.7	16.7	81.7	36.7	60.0	86.7	13.3	90.0	7.5
COVET	8.3	91.3	5.0	93.3	0.7	98.7	18.3	76.7	33.3	56.7	70.0	20.0	60.0	35.0
CRR	5.7	92.7	6.7	93.3	0.0	99.0	18.3	81.7	40.0	56.7	83.3	16.7	85.0	15.0
IS-OS	10.0	88.3	10.0	86.7	3.3	96.0	13.3	86.7	33.3	60.0	86.7	10.0	82.5	17.5
OSC110	6.7	93.3	6.7	92.7	1.7	97.7	18.3	71.7	36.7	53.3	73.3	13.3	75.0	25.0
CHARGER	6.7	90.0	8.3	88.3	0.0	99.0	6.7	93.0	33.3	63.3	80.0	16.7	77.5	22.5
FUTURA 2500	5.7	93.3	7.5	89.5	0.0	99.0	20.0	80.0	36.7	58.3	73.3	23.3	77.5	22.5
PLAYMATE	8.3	90.0	8.3	91.7	1.0	98.7	15.0	81.7	30.0	56.7	80.0	20.0	75.0	25.0
PROSELECT	8.3	90.0	12.5	85.0	0.7	98.7	13.3	86.3	46.7	43.3	83.3	13.3	72.5	27.5
PRS2	11.7	86.7	13.3	83.0	0.0	97.7	18.3	80.0	36.7	56.7	85.0	13.3	77.5	22.5
TOP HAT	8.3	91.7	10.0	83.3	0.0	99.0	11.7	88.3	33.3	66.7	86.7	13.3	85.0	15.0
ALS2	8.3	91.7	8.3	90.0	1.7	97.7	16.7	76.7	43.3	50.0	76.7	20.0	77.5	22.5
IS-IR3	10.0	86.7	10.0	88.3	1.0	96.0	13.3	86.7	43.3	56.7	88.3	11.7	94.5	5.0
RAD-OS3	8.3	90.0	6.7	91.7	0.0	99.0	6.7	93.0	40.0	60.0	83.3	16.7	80.0	17.5
MTV-124	10.0	88.3	6.7	88.3	0.7	98.7	13.3	76.7	33.3	53.3	70.0	20.0	65.0	35.0
CHAMPION GQ	6.7	93.3	8.3	88.3	1.0	98.7	15.0	81.7	35.0	50.0	73.3	16.7	60.0	40.0
MAGNUM GOLD	8.3	90.0	8.3	90.0	2.3	97.3	18.3	71.7	30.0	46.7	56.7	23.3	75.0	22.5
MARVELGREEN SUPREME	6.7	93.3	8.3	91.7	4.0	95.7	13.3	76.7	36.7	43.3	66.7	23.3	87.5	12.5
PICK SD	18.3	73.3	13.3	80.0	3.0	97.0	20.0	76.7	31.7	53.3	76.7	16.7	82.5	17.5
STARLITE	33.3	58.3	20.0	70.0	0.0	99.0	11.7	81.3	56.7	43.3	63.3	36.7	55.0	30.0
RAM-100	16.7	80.0	10.0	80.0	1.7	97.7	15.0	85.0	43.3	50.0	63.3	36.7	72.5	17.5
COLT	25.0	70.0	16.7	70.0	1.7	96.3	5.0	93.3	23.3	76.7	66.7	33.3	77.5	20.0
WINTERPLAY	20.0	75.0	10.0	76.7	0.0	99.0	1.7	97.7	56.7	40.0	70.0	30.0	62.5	12.5
LSD VALUE	11.6	13.4	15.2	21.6	6.1	7.0	16.8	22.9	19.0	25.7	27.3	13.5	50.4	37.5
C.V. (%)	64.1	8.8	60.2	10.2	215.2	2.0	49.2	10.9	23.6	18.7	15.6	38.0	18.4	52.4

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT OVERSEEDING		GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	FALL QUALITY		WINTER QUALITY		SPRING/SUMMER QUALITY (2005)				QUALITY MEAN
	GRASSES EARLY						(2004)		(2005)		3/4	4/6	5/4	6/9	
	ESTABLISHED (04)	11/18					12/2	12/16	1/20	2/2					
FLASH II	70.0	85.0	7.0	7.0	6.0	7.0	7.3	7.3	7.3	7.3	7.7	6.7	6.3	7.0	7.1
OVERSEEDING EAGLE BLEND	80.0	93.0	7.0	7.0	6.3	7.0	7.3	7.3	7.3	7.3	7.7	7.3	6.3	5.5	7.1
OSC116	71.7	91.7	7.3	7.3	5.7	7.0	7.3	7.7	7.3	7.7	7.7	7.0	5.7	5.0	7.0
PR 17	73.3	93.3	7.3	6.7	6.0	7.3	7.0	7.3	7.3	8.0	7.0	6.7	6.0	6.5	7.0
STP	63.3	78.3	7.3	7.0	6.3	7.3	7.0	7.3	6.7	7.7	7.0	6.7	6.7	7.0	7.0
BMX 020383	73.3	83.3	7.3	6.7	6.3	7.0	7.0	7.3	7.3	7.0	8.0	6.7	5.7	6.0	6.9
LEAGUE MASTER	73.3	91.7	7.0	6.7	5.3	7.0	7.0	7.0	6.7	7.7	7.3	6.7	6.3	6.0	6.9
OS	46.7	86.7	7.0	7.0	6.0	7.0	7.3	6.7	7.7	7.0	7.0	7.0	6.0	6.0	6.9
OSC108	84.3	86.7	7.3	6.7	6.0	7.0	7.3	7.0	6.7	7.0	7.3	6.7	6.3	6.5	6.9
COVET	76.7	90.0	7.0	6.7	5.0	7.3	7.0	7.3	7.0	7.3	7.0	6.3	6.0	5.5	6.8
CRR	66.7	86.7	7.3	7.0	5.7	7.0	6.7	7.3	6.7	7.3	7.3	6.7	6.3	6.0	6.8
IS-OS	82.7	90.0	7.0	7.0	5.7	7.0	7.0	6.7	6.7	7.3	7.3	6.7	6.3	6.5	6.8
OSC110	88.3	93.3	7.0	6.7	5.0	7.3	7.0	7.7	7.0	7.3	6.7	6.3	6.0	6.0	6.8
CHARGER	68.3	86.7	6.3	6.7	6.0	7.0	6.7	6.7	7.3	7.3	6.7	6.7	6.0	6.5	6.7
FUTURA 2500	53.3	76.7	7.0	7.0	5.7	6.7	7.0	7.3	6.7	7.0	6.7	6.7	5.7	6.0	6.7
PLAYMATE	51.7	78.3	7.0	5.7	5.7	7.0	7.0	7.0	6.0	7.3	7.0	6.7	6.3	6.5	6.7
PROSELECT	75.0	86.7	7.0	6.3	5.0	6.7	6.7	6.7	6.7	7.3	7.7	6.0	6.3	6.0	6.7
PRS2	63.3	76.7	7.0	7.0	5.7	7.0	6.3	6.7	7.0	7.3	7.0	6.7	6.3	6.5	6.7
TOP HAT	78.3	86.7	6.3	6.3	6.0	7.0	7.0	6.3	6.7	7.0	7.0	6.7	6.7	6.5	6.7
ALS2	63.3	88.3	7.0	6.7	5.0	7.0	6.7	7.0	6.7	7.0	7.0	6.0	5.7	6.5	6.6
IS-IR3	71.7	83.3	6.3	6.7	5.3	7.0	6.3	6.3	6.7	7.0	7.0	6.7	6.3	7.0	6.6
RAD-OS3	66.7	85.0	6.3	6.3	6.3	7.0	6.3	6.7	7.3	7.0	6.3	7.0	6.3	6.0	6.6
MTV-124	70.0	85.0	6.7	6.3	5.3	7.0	6.3	7.0	6.7	7.7	6.7	6.3	6.0	5.0	6.5
CHAMPION GQ	70.0	86.7	7.0	6.0	5.3	7.0	7.0	6.7	6.7	7.0	7.0	6.3	5.3	5.0	6.4
MAGNUM GOLD	76.7	86.7	7.0	5.7	4.3	7.0	6.7	7.0	6.3	7.0	6.7	5.7	5.3	6.0	6.4
MARVELGREEN SUPREME	56.7	86.7	7.0	5.7	4.7	7.0	7.0	7.0	6.0	7.0	6.7	5.7	5.7	6.5	6.4
PICK SD	46.7	78.3	7.0	5.7	5.7	7.0	6.3	6.7	6.0	7.0	6.7	6.7	6.0	6.0	6.4
STARLITE	21.7	55.0	4.3	6.0	5.3	8.0	4.7	5.7	6.0	7.0	5.3	6.7	7.0	4.0	5.9
RAM-100	45.0	61.7	4.7	6.0	4.3	8.3	5.0	5.3	6.0	6.7	5.7	6.0	6.0	5.5	5.8
COLT	40.0	65.0	4.0	5.3	5.7	8.0	5.0	5.7	6.0	6.0	5.0	6.0	6.3	5.5	5.7
WINTERPLAY	35.0	63.3	4.3	5.3	4.7	7.0	5.0	5.7	6.0	6.0	5.7	5.7	6.3	4.5	5.6
LSL VALUE	27.0	14.7	0.7	1.5	1.9	0.6	1.1	1.2	1.3	1.0	0.9	1.5	2.4	2.9	0.5
C.V. (%)	23.4	10.4	7.1	10.7	14.1	4.7	9.6	9.5	9.2	6.9	8.0	9.0	11.4	14.8	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 3A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE)

SEEDBED PREPARATION		FERTILIZATION		
Scalped to .375 in.		Date(s)	Product	Rate (lbs./M)
		1-Nov-05	6-2-3 Greens Edge Biosolid	5.75 lbs/M
MOWING		15-Dec-05	Granular 15-5-10	5.75 lbs/M
Initial height	.375 in.	30-Jan-05	Liquid N Turfgreen 7-0-0 w/10%	1 Gallon/acre
mowing height during test	.450 in.	23-May-05	Sulfer Coated 28-0-0	5 lbs/M
Frequency	3 times per week			
Type of mower	Toro Grounds Master 5500	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	None		
MAINTENANCE PRACTICES TO ENHANCE SPRING TRANSITION				
None		INSECTICIDES		
OTHER INFORMATION		Date(s)	Product	Rate (oz./M)
		None		
Course closed for overseeding	no			
Landing area	Yes, evenly distributed over all plots			
Divoting problem	none	OTHER PRODUCTS		
Cart allowed on Test area	yes, after germination of overseed	Date(s)	Product	Rate (oz./M)
Traffic patterns	evenly distrubed over all plots	None		
NOTES/COMMENTS				

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

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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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2004																	
	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	SEED GRASS	OVER- BERMUDA GRASS	
	11/8	11/8	11/18	11/18	11/24	11/24	12/2	11/2	12/9	12/9	12/16	12/16	12/23	12/23	12/30	12/30	1/6/05	1/6/05
FLASH II	63.3	36.7	53.3	46.7	50.0	50.0	36.7	63.3	46.7	53.3	40.0	60.0	31.7	68.3	31.7	68.3	28.3	71.7
MTV-124	68.3	31.7	56.7	43.3	50.0	50.0	36.7	63.3	41.7	58.3	38.3	61.7	30.0	70.0	31.7	68.3	28.3	71.7
MAGNUM GOLD	61.7	38.3	51.7	48.3	48.3	51.7	30.0	70.0	35.0	65.0	38.3	61.7	30.0	70.0	31.7	68.3	26.7	73.3
PLAYMATE	63.3	36.7	58.3	41.7	53.3	46.7	35.0	65.0	46.7	53.3	40.0	60.0	38.3	61.7	35.0	65.0	28.3	71.7
CHAMPION GQ	63.3	36.7	53.3	46.7	51.7	48.3	40.0	60.0	33.3	66.7	41.7	58.3	31.7	68.3	33.3	66.7	30.0	70.0
OSC108	58.3	41.7	53.3	46.7	53.3	46.7	31.7	68.3	36.7	63.3	36.7	63.3	31.7	68.3	31.7	68.3	30.0	70.0
COVET	63.3	36.7	58.3	41.7	50.0	50.0	36.7	63.3	41.7	58.3	38.3	61.7	35.0	65.0	33.3	66.7	31.7	68.3
CRR	61.7	38.3	56.7	43.3	53.3	46.7	36.7	63.3	41.7	58.3	41.7	58.3	31.7	68.3	30.0	70.0	31.7	68.3
OSC116	63.3	36.7	60.0	40.0	51.7	48.3	43.3	56.7	43.3	56.7	40.0	60.0	28.3	71.7	26.7	73.3	31.7	68.3
MARVELGREEN SUPREME	63.3	36.7	56.7	43.3	53.3	46.7	40.0	60.0	41.7	58.3	45.0	55.0	36.7	63.3	35.0	65.0	30.0	70.0
OSC110	65.0	35.0	53.3	46.7	50.0	50.0	35.0	65.0	43.3	56.7	40.0	60.0	31.7	68.3	31.7	68.3	33.3	66.7
PICK SD	63.3	36.7	58.3	41.7	55.0	45.0	45.0	55.0	48.3	51.7	41.7	58.3	33.3	66.7	33.3	66.7	31.7	68.3
PROSELECT	68.3	31.7	56.7	43.3	50.0	50.0	40.0	60.0	41.7	58.3	35.0	65.0	33.3	66.7	30.0	70.0	28.3	71.7
BMX 020383	66.7	33.3	61.7	38.3	60.0	40.0	46.7	53.3	41.7	58.3	45.0	55.0	38.3	61.7	38.3	61.7	33.3	66.7
FUTURA 2500	65.0	35.0	58.3	41.7	55.0	45.0	46.7	53.3	43.3	56.7	50.0	50.0	40.0	60.0	38.3	61.7	35.0	65.0
IS-IR3	68.3	31.7	60.0	40.0	58.3	41.7	43.3	56.7	46.7	53.3	43.3	56.7	36.7	63.3	40.0	60.0	35.0	65.0
LEAGUE MASTER	63.3	36.7	63.3	36.7	56.7	43.3	43.3	56.7	45.0	55.0	43.3	56.7	30.0	70.0	30.0	70.0	33.3	66.7
OVERSEEDING EAGLE BLEND	66.7	33.3	58.3	41.7	56.7	43.3	36.7	63.3	48.3	51.7	45.0	55.0	35.0	65.0	33.3	66.7	35.0	65.0
STP	65.0	35.0	55.0	45.0	48.3	51.7	38.3	61.7	51.7	48.3	41.7	58.3	30.0	70.0	31.7	68.3	28.3	71.7
TOP HAT	65.0	35.0	60.0	40.0	56.7	43.3	38.3	61.7	40.0	60.0	43.3	56.7	35.0	65.0	36.7	63.3	33.3	66.7
IS-OS	63.3	36.7	60.0	40.0	56.7	43.3	41.7	58.3	45.0	55.0	40.0	60.0	33.3	66.7	35.0	65.0	31.7	68.3
PRS2	60.0	40.0	60.0	40.0	55.0	45.0	46.7	53.3	48.3	51.7	41.7	58.3	31.7	68.3	31.7	68.3	31.7	68.3
ALS2	65.0	35.0	60.0	40.0	55.0	45.0	46.7	53.3	46.7	53.3	46.7	53.3	40.0	60.0	38.3	61.7	30.0	70.0
OS	66.7	33.3	58.3	41.7	56.7	43.3	36.7	63.3	48.3	51.7	46.7	53.3	40.0	60.0	38.3	61.7	35.0	65.0
PR 17	68.3	31.7	60.0	40.0	58.3	41.7	43.3	56.7	41.7	58.3	53.3	46.7	35.0	65.0	36.7	63.3	33.3	66.7
RAD-OS3	66.7	33.3	61.7	38.3	60.0	40.0	43.3	56.7	45.0	55.0	46.7	53.3	38.3	61.7	38.3	61.7	33.3	66.7
CHARGER	61.7	38.3	53.3	46.7	53.3	46.7	43.3	56.7	45.0	55.0	45.0	55.0	40.0	60.0	41.7	58.3	33.3	66.7
RAM-100	68.3	31.7	71.7	28.3	68.3	31.7	53.3	46.7	70.0	30.0	50.0	50.0	56.7	43.3	51.7	48.3	36.7	63.3
WINTERPLAY	73.3	26.7	76.7	23.3	70.0	30.0	61.7	38.3	56.7	43.3	51.7	48.3	50.0	50.0	51.7	48.3	38.3	61.7
STARLITE	76.7	23.3	81.7	18.3	81.7	18.3	70.0	30.0	76.7	23.3	63.3	36.7	58.3	41.7	58.3	41.7	48.3	51.7
COLT	70.0	30.0	68.3	31.7	68.3	31.7	46.7	53.3	71.7	28.3	61.7	38.3	55.0	45.0	58.3	41.7	41.7	58.3
LSD VALUE	9.1	9.1	9.9	9.9	7.3	7.3	13.8	13.8	11.5	11.5	11.1	11.1	10.7	10.7	8.7	8.7	10.5	10.5
C.V. (%)	6.8	12.8	9.8	14.6	8.3	10.7	18.5	13.6	15.3	13.5	14.1	11.2	17.5	10.2	14.8	8.7	15.6	7.6

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

WINTER PERCENT COVER OF DORMANCY BERMUDAGRASS AND LIVING OVERSEEDING GRASSES IN 2005

NAME	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
	1/13	1/13	1/20	1/20	1/27	1/27	2/3	2/3	2/17	2/17	2/24	2/24	3/3	3/3
FLASH II	21.7	78.3	18.3	81.7	16.7	83.3	16.7	83.3	21.7	78.3	21.7	78.3	20.0	80.0
MTV-124	20.0	80.0	16.7	83.3	18.3	81.7	20.0	80.0	18.3	81.7	16.7	83.3	16.7	83.3
MAGNUM GOLD	21.7	78.3	18.3	81.7	18.3	81.7	16.7	83.3	16.7	83.3	18.3	81.7	16.7	83.3
PLAYMATE	23.3	76.7	20.0	80.0	20.0	80.0	18.3	81.7	18.3	81.7	16.7	83.3	16.7	83.3
CHAMPION GQ	26.7	73.3	20.0	80.0	18.3	81.7	15.0	85.0	20.0	80.0	21.7	78.3	20.0	80.0
OSC108	21.7	78.3	20.0	80.0	18.3	81.7	15.0	85.0	16.7	83.3	21.7	78.3	20.0	80.0
COVET	20.0	80.0	21.7	78.3	21.7	78.3	20.0	80.0	20.0	80.0	20.0	80.0	20.0	80.0
CRR	18.3	81.7	25.0	75.0	18.3	81.7	18.3	81.7	20.0	80.0	20.0	80.0	20.0	80.0
OSC116	16.7	83.3	21.7	78.3	18.3	81.7	20.0	80.0	20.0	80.0	16.7	83.3	16.7	83.3
MARVELGREEN SUPREME	21.7	78.3	23.3	76.7	21.7	78.3	20.0	80.0	18.3	81.7	18.3	81.7	18.3	81.7
OSC110	21.7	78.3	18.3	81.7	18.3	81.7	18.3	81.7	18.3	81.7	20.0	80.0	20.0	80.0
PICK SD	26.7	73.3	20.0	80.0	20.0	80.0	23.3	76.7	21.7	78.3	18.3	81.7	20.0	80.0
PROSELECT	20.0	80.0	25.0	75.0	18.3	81.7	16.7	83.3	18.3	81.7	21.7	78.3	21.7	78.3
BMX 020383	25.0	75.0	25.0	75.0	20.0	80.0	23.3	76.7	21.7	78.3	25.0	75.0	21.7	78.3
FUTURA 2500	30.0	70.0	21.7	78.3	21.7	78.3	20.0	80.0	20.0	80.0	16.7	83.3	16.7	83.3
IS-IR3	28.3	71.7	25.0	75.0	25.0	75.0	23.3	76.7	23.3	76.7	23.3	76.7	25.0	75.0
LEAGUE MASTER	25.0	75.0	23.3	76.7	21.7	78.3	20.0	80.0	20.0	80.0	21.7	78.3	20.0	80.0
OVERSEEDING EAGLE BLEND	23.3	76.7	21.7	78.3	18.3	81.7	16.7	83.3	18.3	81.7	18.3	81.7	15.0	85.0
STP	20.0	80.0	20.0	80.0	18.3	81.7	20.0	80.0	20.0	80.0	18.3	81.7	20.0	80.0
TOP HAT	25.0	75.0	23.3	76.7	20.0	80.0	18.3	81.7	21.7	78.3	23.3	76.7	23.3	76.7
IS-OS	25.0	75.0	21.7	78.3	23.3	76.7	23.3	76.7	23.3	76.7	26.7	73.3	26.7	73.3
PRS2	21.7	78.3	23.3	76.7	20.0	80.0	18.3	81.7	20.0	80.0	21.7	78.3	21.7	78.3
ALS2	25.0	75.0	21.7	78.3	25.0	75.0	21.7	78.3	21.7	78.3	20.0	80.0	20.0	80.0
OS	25.0	75.0	25.0	75.0	25.0	75.0	21.7	78.3	23.3	76.7	25.0	75.0	25.0	75.0
PR 17	28.3	71.7	25.0	75.0	25.0	75.0	21.7	78.3	23.3	76.7	25.0	75.0	25.0	75.0
RAD-OS3	28.3	71.7	25.0	75.0	21.7	78.3	23.3	76.7	25.0	75.0	23.3	76.7	20.0	80.0
CHARGER	30.0	70.0	30.0	70.0	30.0	70.0	25.0	75.0	25.0	75.0	33.3	66.7	33.3	66.7
RAM-100	35.0	65.0	31.7	68.3	33.3	66.7	30.0	70.0	31.7	68.3	33.3	66.7	33.3	66.7
WINTERPLAY	33.3	66.7	35.0	65.0	33.3	66.7	33.3	66.7	35.0	65.0	35.0	65.0	31.7	68.3
STARLITE	36.7	63.3	33.3	66.7	35.0	65.0	35.0	65.0	35.0	65.0	35.0	65.0	33.3	66.7
COLT	36.7	63.3	38.3	61.7	36.7	63.3	35.0	65.0	38.3	61.7	38.3	61.7	40.0	60.0
LSD VALUE	8.4	8.4	7.5	7.5	6.3	6.3	5.6	5.6	5.6	5.6	6.8	6.8	7.0	7.0
C.V. (%)	19.1	6.4	18.6	5.8	17.5	5.1	16.6	4.6	15.9	4.6	18.5	5.6	19.4	5.6

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.

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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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005											
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	3/10	3/10	3/24	3/24	3/31	3/31	4/7	4/7	4/14	4/14	4/21	4/21
FLASH II	18.3	81.7	21.7	78.3	21.7	78.3	25.0	75.0	26.7	73.3	28.3	71.7
MTV-124	16.7	83.3	21.7	78.3	21.7	78.3	23.3	76.7	25.0	75.0	31.7	68.3
MAGNUM GOLD	18.3	81.7	21.7	78.3	23.3	76.7	23.3	76.7	26.7	73.3	33.3	66.7
PLAYMATE	16.7	83.3	23.3	76.7	23.3	76.7	25.0	75.0	26.7	73.3	31.7	68.3
CHAMPION GQ	21.7	78.3	26.7	73.3	25.0	75.0	28.3	71.7	26.7	73.3	35.0	65.0
OSC108	20.0	80.0	23.3	76.7	23.3	76.7	25.0	75.0	28.3	71.7	33.3	66.7
COVET	20.0	80.0	26.7	73.3	26.7	73.3	25.0	75.0	28.3	71.7	30.0	70.0
CRR	20.0	80.0	28.3	71.7	26.7	73.3	26.7	73.3	25.0	75.0	31.7	68.3
OSC116	18.3	81.7	28.3	71.7	28.3	71.7	30.0	70.0	30.0	70.0	33.3	66.7
MARVELGREEN SUPREME	20.0	80.0	23.3	76.7	26.7	73.3	25.0	75.0	28.3	71.7	36.7	63.3
OSC110	20.0	80.0	23.3	76.7	23.3	76.7	25.0	75.0	25.0	75.0	33.3	66.7
PICK SD	23.3	76.7	23.3	76.7	21.7	78.3	25.0	75.0	26.7	73.3	31.7	68.3
PROSELECT	20.0	80.0	25.0	75.0	28.3	71.7	28.3	71.7	25.0	75.0	30.0	70.0
BMX 020383	23.3	76.7	26.7	73.3	28.3	71.7	28.3	71.7	28.3	71.7	35.0	65.0
FUTURA 2500	23.3	76.7	28.3	71.7	26.7	73.3	25.0	75.0	28.3	71.7	35.0	65.0
IS-IR3	25.0	75.0	26.7	73.3	25.0	75.0	31.7	68.3	30.0	70.0	36.7	63.3
LEAGUE MASTER	20.0	80.0	25.0	75.0	26.7	73.3	25.0	75.0	26.7	73.3	33.3	66.7
OVERSEEDING EAGLE BLEND	20.0	80.0	25.0	75.0	25.0	75.0	25.0	75.0	25.0	75.0	35.0	65.0
STP	21.7	78.3	28.3	71.7	26.7	73.3	25.0	75.0	30.0	70.0	36.7	63.3
TOP HAT	25.0	75.0	26.7	73.3	30.0	70.0	28.3	71.7	26.7	73.3	33.3	66.7
IS-OS	28.3	71.7	26.7	73.3	26.7	73.3	30.0	70.0	28.3	71.7	36.7	63.3
PRS2	20.0	80.0	26.7	73.3	28.3	71.7	26.7	73.3	30.0	70.0	31.7	68.3
ALS2	21.7	78.3	30.0	70.0	31.7	68.3	28.3	71.7	28.3	71.7	35.0	65.0
OS	23.3	76.7	30.0	70.0	26.7	73.3	31.7	68.3	30.0	70.0	36.7	63.3
PR 17	25.0	75.0	31.7	68.3	33.3	66.7	31.7	68.3	35.0	65.0	38.3	61.7
RAD-OS3	23.3	76.7	28.3	71.7	28.3	71.7	35.0	65.0	35.0	65.0	41.7	58.3
CHARGER	33.3	66.7	28.3	71.7	30.0	70.0	35.0	65.0	28.3	71.7	41.7	58.3
RAM-100	35.0	65.0	28.3	71.7	26.7	73.3	40.0	60.0	30.0	70.0	36.7	63.3
WINTERPLAY	36.7	63.3	26.7	73.3	28.3	71.7	33.3	66.7	31.7	68.3	36.7	63.3
STARLITE	40.0	60.0	33.3	66.7	33.3	66.7	38.3	61.7	33.3	66.7	40.0	60.0
COLT	41.7	58.3	40.0	60.0	38.3	61.7	43.3	56.7	41.7	58.3	50.0	50.0
LSD VALUE	6.4	6.4	8.8	8.8	9.2	9.2	9.5	9.5	8.2	8.2	10.7	10.7
C.V. (%)	17.3	5.4	16.2	6.0	16.3	6.1	17.9	7.3	14.2	5.8	14.5	7.9

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005

NAME	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS 4/28	GRASS 4/28	GRASS 5/5	GRASS 5/5	GRASS 5/12	GRASS 5/12	GRASS 5/16	GRASS 5/16	GRASS 5/19	GRASS 5/19	GRASS 5/23	GRASS 5/23
FLASH II	30.0	70.0	35.0	65.0	45.0	55.0	48.3	51.7	58.3	41.7	61.7	38.3
MTV-124	31.7	68.3	36.7	63.3	43.3	56.7	50.0	50.0	53.3	46.7	63.3	36.7
MAGNUM GOLD	33.3	66.7	38.3	61.7	40.0	60.0	51.7	48.3	61.7	38.3	61.7	38.3
PLAYMATE	31.7	68.3	38.3	61.7	45.0	55.0	48.3	51.7	56.7	43.3	60.0	40.0
CHAMPION GQ	35.0	65.0	40.0	60.0	43.3	56.7	51.7	48.3	58.3	41.7	66.7	33.3
OSC108	33.3	66.7	41.7	58.3	43.3	56.7	50.0	50.0	60.0	40.0	63.3	36.7
COVET	30.0	70.0	41.7	58.3	48.3	51.7	55.0	45.0	60.0	40.0	63.3	36.7
CRR	33.3	66.7	43.3	56.7	46.7	53.3	56.7	43.3	61.7	38.3	61.7	38.3
OSC116	33.3	66.7	41.7	58.3	48.3	51.7	58.3	41.7	61.7	38.3	61.7	38.3
MARVELGREEN SUPREME	36.7	63.3	43.3	56.7	50.0	50.0	55.0	45.0	55.0	45.0	65.0	35.0
OSC110	31.7	68.3	41.7	58.3	43.3	56.7	51.7	48.3	60.0	40.0	63.3	36.7
PICK SD	31.7	68.3	41.7	58.3	46.7	53.3	50.0	50.0	55.0	45.0	56.7	43.3
PROSELECT	30.0	70.0	43.3	56.7	48.3	51.7	56.7	43.3	58.3	41.7	61.7	38.3
BMX 020383	36.7	63.3	36.7	63.3	43.3	56.7	50.0	50.0	58.3	41.7	66.7	33.3
FUTURA 2500	33.3	66.7	41.7	58.3	46.7	53.3	55.0	45.0	56.7	43.3	63.3	36.7
IS-IR3	35.0	65.0	40.0	60.0	43.3	56.7	53.3	46.7	60.0	40.0	66.7	33.3
LEAGUE MASTER	33.3	66.7	41.7	58.3	48.3	51.7	48.3	51.7	60.0	40.0	60.0	40.0
OVERSEEDING EAGLE BLEND	35.0	65.0	41.7	58.3	50.0	50.0	51.7	48.3	56.7	43.3	65.0	35.0
STP	38.3	61.7	45.0	55.0	50.0	50.0	58.3	41.7	61.7	38.3	63.3	36.7
TOP HAT	33.3	66.7	40.0	60.0	51.7	48.3	55.0	45.0	63.3	36.7	68.3	31.7
IS-OS	33.3	66.7	45.0	55.0	50.0	50.0	53.3	46.7	63.3	36.7	65.0	35.0
PRS2	31.7	68.3	48.3	51.7	51.7	48.3	58.3	41.7	66.7	33.3	61.7	38.3
ALS2	33.3	66.7	45.0	55.0	45.0	55.0	53.3	46.7	60.0	40.0	58.3	41.7
OS	36.7	63.3	41.7	58.3	46.7	53.3	55.0	45.0	61.7	38.3	66.7	33.3
PR 17	36.7	63.3	46.7	53.3	46.7	53.3	58.3	41.7	65.0	35.0	60.0	40.0
RAD-OS3	40.0	60.0	45.0	55.0	53.3	46.7	58.3	41.7	65.0	35.0	68.3	31.7
CHARGER	41.7	58.3	38.3	61.7	43.3	56.7	55.0	45.0	61.7	38.3	61.7	38.3
RAM-100	36.7	63.3	44.7	55.3	51.7	48.3	61.7	38.3	66.7	33.3	73.3	26.7
WINTERPLAY	38.3	61.7	46.7	53.3	53.3	46.7	56.7	43.3	61.7	38.3	65.0	35.0
STARLITE	41.7	58.3	51.7	48.3	55.0	45.0	63.3	36.7	66.7	33.3	75.0	25.0
COLT	50.0	50.0	55.0	45.0	60.0	40.0	75.0	25.0	78.3	21.7	80.0	20.0
LSD VALUE	11.2	11.2	11.3	11.3	14.2	14.2	15.0	15.0	17.2	17.2	12.6	12.6
C.V. (%)	14.8	8.0	12.3	9.2	12.3	11.2	12.3	15.0	11.0	17.2	9.2	16.6

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005									
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	5/26	5/26	5/30	5/30	6/6	6/6	6/16	6/16	6/23	6/23
FLASH II	68.3	31.7	73.3	26.7	90.0	10.0	58.3	3.7	99	0
MTV-124	71.7	28.3	75.0	25.0	85.0	15.0	53.3	2.0	99	0
MAGNUM GOLD	70.0	30.0	70.0	30.0	90.0	10.0	61.7	3.7	99	0
PLAYMATE	65.0	35.0	68.3	31.7	86.7	13.3	56.7	2.7	99	0
CHAMPION GQ	71.7	28.3	73.3	26.7	90.0	10.0	58.3	3.7	99	0
OSC108	66.7	33.3	78.3	21.7	90.0	10.0	60.0	3.7	99	0
COVET	68.3	31.7	76.7	23.3	91.7	8.3	60.0	3.0	99	0
CRR	68.3	31.7	76.7	23.3	90.0	10.0	61.7	3.0	99	0
OSC116	68.3	31.7	73.3	26.7	88.3	11.7	61.7	3.7	99	0
MARVELGREEN SUPREME	70.0	30.0	73.3	26.7	88.3	11.7	55.0	2.0	99	0
OSC110	66.7	33.3	71.7	28.3	90.0	10.0	60.0	3.7	99	0
PICK SD	66.7	33.3	70.0	30.0	90.0	10.0	55.0	3.7	99	0
PROSELECT	66.7	33.3	80.0	20.0	91.7	8.3	58.3	3.7	99	0
BMX 020383	70.0	30.0	73.3	26.7	88.3	11.7	58.3	2.0	99	0
FUTURA 2500	66.7	33.3	68.3	31.7	88.3	11.7	56.7	3.0	99	0
IS-IR3	68.3	31.7	75.0	25.0	90.0	10.0	60.0	3.0	99	0
LEAGUE MASTER	68.3	31.7	70.0	30.0	86.7	13.3	60.0	3.7	99	0
OVERSEEDING EAGLE BLEND	68.3	31.7	71.7	28.3	91.7	8.3	56.7	3.0	99	0
STP	71.7	28.3	75.0	25.0	90.0	10.0	61.7	3.7	99	0
TOP HAT	71.7	28.3	78.3	21.7	91.7	8.3	63.3	2.0	99	0
IS-OS	70.0	30.0	80.0	20.0	91.7	8.3	63.3	2.7	99	0
PRS2	66.7	33.3	75.0	25.0	90.0	10.0	66.7	3.0	99	0
ALS2	68.3	31.7	71.7	28.3	90.0	10.0	60.0	3.7	99	0
OS	71.7	28.3	78.3	21.7	90.0	10.0	61.7	3.7	99	0
PR 17	66.7	33.3	76.7	23.3	90.0	10.0	65.0	3.7	99	0
RAD-OS3	76.7	23.3	76.7	23.3	90.0	10.0	65.0	3.0	99	0
CHARGER	71.7	28.3	75.0	25.0	90.0	10.0	61.7	3.7	99	0
RAM-100	76.7	23.3	81.7	18.3	91.7	8.3	66.7	3.7	99	0
WINTERPLAY	75.0	25.0	78.3	21.7	91.7	8.3	61.7	3.0	99	0
STARLITE	80.0	20.0	81.7	18.3	91.7	8.3	66.7	3.7	99	0
COLT	81.7	18.3	88.3	11.7	93.0	6.7	78.3	3.3	99	0
LSD VALUE	8.1	8.1	9.2	9.2	5.9	6.0	17.2	5.5	0	0
C.V. (%)	6.1	14.5	6.4	19.4	2.6	24.1	11.0	41.7	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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT OVERSEEDING		WINTER COLOR			DENSITY SPRING	LEAF TEXTURE	DOLLAR SPOT (NUMBERS OF CENTERS/PLOT)	
	GRASSES EARLY ESTABLISHED	GENETIC COLOR	1/13/05	1/27/05	2/17/05			4/4/05	5/5/05
FLASH II	66.7	7.7	7.0	8.0	7.0	7.0	6.0	0.0	0.0
MTV-124	61.7	8.3	7.0	8.0	7.7	7.0	6.0	0.0	0.0
MAGNUM GOLD	75.0	7.7	7.0	7.3	7.7	7.0	6.0	4.7	0.0
PLAYMATE	70.0	8.0	8.0	8.0	7.3	6.7	6.0	0.0	0.0
CHAMPION GQ	50.0	8.0	7.7	8.0	8.0	7.0	6.0	4.7	0.0
OSC108	65.0	7.0	7.0	7.3	7.0	7.0	6.0	1.0	0.0
COVET	55.0	7.0	7.0	7.3	7.0	7.0	6.3	0.0	0.0
CRR	68.3	7.0	6.0	8.0	7.0	7.0	6.0	4.0	0.0
OSC116	43.3	7.3	7.0	7.7	7.3	7.0	6.0	11.3	0.0
MARVELGREEN SUPREME	51.7	7.7	7.7	7.7	7.7	6.7	6.0	6.3	0.0
OSC110	71.7	7.0	6.3	7.3	7.3	7.0	6.0	14.0	0.0
PICK SD	26.7	8.3	8.3	7.7	8.3	6.7	6.0	0.0	0.0
PROSELECT	53.3	7.0	7.0	7.7	7.3	7.0	6.3	7.0	0.0
BMX 020383	38.3	7.7	7.0	7.3	7.7	7.0	6.3	1.0	0.0
FUTURA 2500	58.3	7.7	6.7	7.3	7.3	6.3	6.0	13.7	0.0
IS-IR3	50.0	6.7	5.0	7.0	7.0	6.7	6.3	0.0	0.0
LEAGUE MASTER	60.0	7.0	6.3	7.0	7.0	7.0	6.0	9.3	0.0
OVERSEEDING EAGLE BLEND	50.0	7.0	7.0	8.0	7.0	7.0	6.0	2.0	0.0
STP	46.7	7.0	6.7	7.3	7.0	6.3	6.0	9.3	0.0
TOP HAT	55.0	7.0	6.0	7.0	6.7	7.0	6.0	6.7	0.0
IS-OS	31.7	7.0	6.0	7.0	7.0	7.0	6.0	5.7	0.0
PRS2	38.3	7.0	7.0	7.3	7.0	6.7	6.3	6.3	0.0
ALS2	33.3	7.0	7.0	7.7	7.0	6.7	6.0	9.0	0.0
OS	33.3	7.0	6.0	7.3	7.3	6.3	6.0	0.0	0.0
PR 17	28.3	7.3	7.3	7.0	7.3	6.0	6.7	13.7	3.7
RAD-OS3	60.0	6.3	4.7	6.7	6.0	6.0	6.0	1.3	0.0
CHARGER	61.7	5.7	6.0	5.7	6.0	6.7	6.3	0.0	0.0
RAM-100	36.7	5.7	4.0	5.0	5.0	7.0	8.0	8.3	114.0
WINTERPLAY	28.3	5.0	4.0	4.3	5.3	7.0	7.3	4.7	44.0
STARLITE	16.7	5.3	5.3	4.7	5.7	7.0	7.0	14.0	99.7
COLT	21.7	4.3	4.0	4.0	4.3	6.3	7.0	29.0	64.0
LSD VALUE	24.3	0.7	0.9	0.9	0.6	0.9	0.6	20.3	62.0
C.V. (%)	29.3	6.7	9.7	8.3	6.1	5.9	6.1	141.8	305.8

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.

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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/
2004-05 DATA

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

NAME	QUALITY IN FALL TRANSITION PERIOD (2004-05)					QUALITY RATINGS IN WINTER PERIOD (2005)						
	12/6	12/14	12/23	12/30	1/6	1/13	1/20	1/27	2/17	1/13	2/24	3/3
FLASH II	7.0	5.3	6.7	6.7	7.0	7.7	8.0	8.0	8.0	7.3	8.0	8.0
MTV-124	6.3	6.3	7.0	6.7	7.3	7.7	8.0	8.0	8.0	8.0	7.7	8.0
MAGNUM GOLD	7.0	6.3	6.7	6.7	8.0	7.3	8.0	7.7	8.0	7.7	7.0	7.7
PLAYMATE	6.0	5.3	6.3	6.7	7.3	7.7	8.0	8.0	7.7	7.7	7.7	7.7
CHAMPION GQ	6.3	6.0	7.0	7.0	7.7	7.3	7.7	8.0	8.0	8.0	7.7	7.7
OSC108	6.7	6.7	7.3	7.3	7.7	7.7	7.3	8.0	7.7	8.0	7.0	7.3
COVET	6.3	6.0	6.7	7.0	7.7	7.7	7.0	8.0	8.0	8.0	7.0	7.0
CRR	6.3	6.0	7.3	7.0	7.7	7.7	7.0	7.7	8.0	8.0	7.0	7.0
OSC116	7.0	6.0	7.3	7.0	7.3	8.0	7.3	7.7	8.0	7.7	7.3	7.3
MARVELGREEN SUPREME	6.3	5.7	6.0	6.3	7.3	7.3	7.7	8.0	8.0	7.7	7.7	7.7
OSC110	6.7	6.0	7.0	7.0	7.3	7.3	7.0	7.3	7.3	7.7	7.0	7.0
PICK SD	6.0	5.0	6.3	6.3	7.3	7.3	8.0	7.7	7.3	7.3	7.7	7.7
PROSELECT	6.7	6.3	6.3	6.3	7.3	7.7	7.7	8.0	7.7	7.3	7.3	7.3
BMX 020383	5.7	5.0	6.0	6.3	7.0	7.0	7.0	7.3	7.7	7.7	7.3	7.3
FUTURA 2500	6.0	5.0	5.7	6.0	6.7	6.7	7.3	7.3	7.7	7.3	7.7	7.7
IS-IR3	5.3	5.3	6.0	6.3	6.3	7.0	7.3	7.3	7.0	7.3	7.3	7.0
LEAGUE MASTER	6.3	5.3	7.0	6.3	7.0	7.0	7.0	7.0	7.7	7.7	7.0	7.3
OVERSEEDING EAGLE BLEND	6.3	5.3	6.3	6.3	6.3	7.7	7.7	8.0	8.0	7.3	7.7	7.7
STP	6.3	5.3	7.0	7.0	7.3	7.3	7.3	7.7	7.7	7.7	7.0	7.7
TOP HAT	6.7	5.7	6.7	6.0	7.0	7.3	7.0	7.7	7.7	7.3	7.0	7.0
IS-OS	6.3	5.3	6.0	6.0	7.0	7.3	7.3	7.3	7.3	7.0	7.0	7.0
PRS2	6.0	5.0	7.0	7.3	7.3	7.3	7.7	7.7	8.0	8.0	7.0	7.0
ALS2	5.3	5.3	6.0	6.3	6.7	7.0	7.7	7.7	7.3	7.3	7.0	7.0
OS	5.0	5.0	5.3	5.7	6.3	6.7	7.7	7.3	7.0	7.3	7.0	7.0
PR 17	5.3	4.7	6.7	6.0	7.0	7.0	7.3	7.0	7.3	7.0	6.7	6.7
RAD-OS3	5.7	4.7	6.3	6.0	6.7	6.7	7.3	7.3	7.3	7.0	7.0	7.0
CHARGER	4.7	4.7	6.0	5.7	7.0	6.3	7.0	6.7	7.3	7.0	6.3	6.3
RAM-100	4.0	3.3	4.3	4.3	6.7	4.0	6.0	6.0	6.0	6.3	6.3	6.0
WINTERPLAY	3.7	3.0	4.3	4.3	6.3	4.3	5.7	6.0	5.7	5.7	5.7	6.0
STARLITE	2.3	2.7	4.0	3.7	4.7	4.0	5.7	5.7	5.3	5.3	6.3	5.7
COLT	3.0	2.7	4.0	4.0	5.0	4.0	5.0	5.3	5.7	5.0	5.3	5.0
LSD VALUE	0.9	1.4	1.2	1.1	1.4	0.8	0.7	0.7	0.7	0.9	1.0	0.8
C.V. (%)	10.3	16.6	12.2	11.0	10.9	7.4	6.5	6.0	6.4	7.6	8.1	7.3

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/										
NAME	QUALITY RATINGS IN SPRING/SUMMER TRANSITION PERIOD IN 2005									
	3/10	3/24	3/31	4/7	4/14	4/21	4/28	5/5	5/12	5/16
FLASH II	8.0	7.7	7.3	7.3	7.3	7.3	7.0	7.0	7.0	7.3
MTV-124	8.0	8.0	7.7	7.3	7.0	7.3	6.7	7.0	7.3	7.0
MAGNUM GOLD	7.7	7.7	7.3	7.7	7.3	7.0	7.0	6.7	7.0	6.7
PLAYMATE	7.7	7.7	7.7	7.3	7.7	7.0	7.0	6.7	6.7	6.7
CHAMPION GQ	8.0	7.0	7.3	7.3	7.7	6.3	6.3	6.7	6.7	6.7
OSC108	7.3	7.3	6.7	7.7	7.3	7.0	6.7	6.7	7.0	6.7
COVET	7.3	7.0	7.3	7.3	7.7	7.0	6.7	6.7	6.3	6.3
CRR	7.0	7.0	7.3	7.3	7.3	7.0	7.0	6.3	6.3	6.3
OSC116	7.3	7.3	7.3	6.3	7.0	6.7	6.7	6.7	6.0	6.0
MARVELGREEN SUPREME	7.7	7.3	7.0	7.3	7.0	6.3	6.3	6.3	6.3	6.3
OSC110	7.3	7.7	7.3	7.0	7.0	6.7	7.0	6.3	6.3	6.7
PICK SD	7.3	7.3	7.3	7.3	7.3	6.7	6.7	6.7	7.0	7.0
PROSELECT	7.7	6.7	7.0	7.0	7.3	6.7	6.3	6.3	6.3	6.0
BMX 020383	7.3	6.7	6.7	7.0	7.0	6.0	6.3	7.0	7.3	7.0
FUTURA 2500	7.7	7.0	7.0	7.3	6.7	6.3	6.7	6.7	6.7	6.7
IS-IR3	7.0	7.0	7.0	6.7	7.0	5.7	6.0	6.3	6.7	7.0
LEAGUE MASTER	7.3	7.3	7.3	7.0	7.0	7.0	6.7	6.7	6.3	7.0
OVERSEEDING EAGLE BLEND	7.7	7.0	6.7	7.0	7.0	6.0	6.0	6.7	6.0	6.3
STP	7.0	7.0	7.0	7.0	6.7	6.7	5.7	6.0	5.7	6.0
TOP HAT	7.3	6.7	6.3	6.7	7.3	6.0	6.3	6.3	6.3	6.0
IS-OS	7.0	6.7	6.7	7.0	6.7	6.3	6.3	6.0	6.0	6.3
PRS2	7.0	6.3	7.0	7.0	6.7	6.7	6.7	5.7	5.7	6.0
ALS2	7.3	6.3	6.0	7.0	6.7	6.0	6.3	6.0	5.7	6.0
OS	7.3	6.7	7.0	6.7	6.7	5.7	6.3	6.3	6.7	6.7
PR 17	7.0	6.0	6.0	6.7	6.3	6.3	6.3	6.3	6.0	6.7
RAD-OS3	7.0	6.7	6.7	6.3	6.3	6.0	5.7	6.0	6.0	6.3
CHARGER	6.3	6.3	6.7	6.3	6.7	6.0	5.7	6.7	7.0	7.0
RAM-100	6.3	7.0	6.7	5.7	7.0	6.3	6.3	6.0	6.0	6.0
WINTERPLAY	5.7	6.3	6.0	6.0	6.0	6.3	6.3	6.0	6.0	6.0
STARLITE	5.3	6.3	6.0	5.3	7.0	6.0	5.7	5.7	5.3	6.3
COLT	5.3	4.7	5.0	4.7	5.7	4.3	4.7	5.0	5.0	5.7
LSD VALUE	0.7	1.4	1.3	1.0	1.6	0.9	1.5	1.4	2.8	2.3
C.V. (%)	6.4	10.3	9.6	8.8	9.4	8.0	10.5	9.4	14.5	11.1

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	QUALITY RATINGS IN SPRING/SUMMER TRANSITION PERIOD IN 2005							QUALITY MEAN
	5/19	5/23	5/26	5/30	6/6	6/16	6/23	
FLASH II	7.3	7.0	7.3	8.0	7.7	7.7	7.3	7.4
MTV-124	7.0	7.0	7.7	8.0	8.0	7.7	7.3	7.4
MAGNUM GOLD	7.0	7.0	7.7	7.7	8.0	7.3	7.7	7.3
PLAYMATE	7.3	7.0	8.0	8.0	8.0	7.3	7.3	7.3
CHAMPION GQ	6.7	6.7	7.0	7.7	7.7	7.0	7.3	7.2
OSC108	7.3	6.7	7.7	7.7	7.7	7.0	7.0	7.2
COVET	6.7	6.3	7.3	7.7	7.7	7.0	7.0	7.1
CRR	7.0	6.7	7.3	8.0	8.0	7.0	7.7	7.1
OSC116	6.0	6.3	7.0	7.7	7.7	7.3	7.3	7.1
MARVELGREEN SUPREME	6.3	6.3	7.3	7.7	7.7	7.3	7.0	7.0
OSC110	6.3	6.3	7.0	7.3	7.7	6.7	6.7	7.0
PICK SD	6.3	6.7	7.3	7.7	7.7	7.0	6.7	7.0
PROSELECT	6.7	7.0	7.3	7.7	8.0	7.3	7.0	7.0
BMX 020383	7.0	7.0	7.3	8.0	8.0	7.3	7.0	6.9
FUTURA 2500	6.3	6.7	7.7	7.7	8.0	6.7	6.7	6.9
IS-IR3	7.3	7.0	7.3	8.0	8.0	8.0	7.7	6.9
LEAGUE MASTER	6.7	6.7	7.0	7.7	7.7	6.7	6.7	6.9
OVERSEEDING EAGLE BLEND	6.3	6.7	7.3	7.7	7.7	7.3	6.3	6.9
STP	6.3	6.7	7.3	7.7	8.0	7.7	7.3	6.9
TOP HAT	6.7	6.7	7.0	7.3	7.7	7.7	7.3	6.9
IS-OS	6.3	6.7	7.3	7.3	7.7	7.7	7.0	6.8
PRS2	5.7	6.3	6.7	7.7	7.7	7.3	6.3	6.8
ALS2	6.3	6.7	7.0	7.7	8.0	7.3	7.0	6.7
OS	6.3	6.7	7.0	7.7	8.0	7.7	7.3	6.7
PR 17	6.0	6.7	7.0	7.7	8.0	7.7	6.7	6.6
RAD-OS3	6.0	6.7	7.3	7.7	7.7	7.7	7.0	6.6
CHARGER	6.3	6.7	7.3	7.3	7.7	7.0	6.7	6.5
RAM-100	5.7	5.7	6.3	7.3	8.0	7.3	7.7	6.0
WINTERPLAY	6.3	6.0	6.7	7.3	7.7	7.0	7.3	5.9
STARLITE	5.7	5.7	6.7	7.7	7.7	7.3	7.3	5.6
COLT	5.3	5.3	6.3	7.0	7.7	7.0	6.7	5.1
LSD VALUE	4.5	1.5	2.9	2.4	1.9	2.2	2.6	0.5
C.V. (%)	17.4	8.9	10.7	7.4	5.5	8.7	10.1	4.8

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 4A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT PENSACOLA, FL (OSCEOLA GOLF COURSE)

SEEDBED PREPARATION		FERTILIZATION		
	None	Date(s)	Product	Rate (lbs./M)
MOWING		2-Nov-04	4-15-20	.18 lb N, .31 lb P, .75 lb K
		18-Nov-04	4-15-20	.18 lb N, .31 lb P, .75 lb K
Initial height	.5"	6-Jan-05	18-0-18	1 lb N, .83 lb K
mowing height during test	.5"	9-Feb-05	18-0-18	1 lb N, .83 lb K
Frequency	3 days a week, M-W-F	21-Feb-05	15-0-15 w .95 Ronstar	.5 lb N, .4 lb k
Type of mower	Toro 3100	5-May-05	15-0-15 w .95 Ronstar, .5 lb N, .4 lb K	
CULTIVATION		FUNGICIDES		
Aerification - dates		Date(s)	Product	Rate (oz./M)
Aerification - type		None		
Verticutting				
Dates of topdressing				
Other cultural practices				
MAINTENANCE PRACTICES TO ENHANCE SPRING		HERBICIDES		
		Date(s)	Product	Rate (oz./M)
OTHER INFORMATION		None		
Course closed for overseeding		INSECTICIDES		
Landing area		Date(s)	Product	Rate (oz./M)
Divoting problem		None		
Cart allowed on Test area				
Traffic patterns				
NOTES/COMMENTS		OTHER PRODUCTS		
We went 10 days without irrigation or rain in mid to late April, all the plots wilted, but came back with irrigation. The Poa triv plots were affected first and recovered last.		Date(s)	Product	Rate (oz./M)
		None		

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

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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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD IN 2004				PERCENT COVER OF LIVING BERMUDAGRASS IN SPRING/SUMMER					COLOR RATINGS IN 2004-05							
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	5/23/05	6/16/05	12/8	12/21	1/14	2/4	2/18	3/9	3/29	4/22	5/5	5/23	6/16
	11/16	11/16	12/8	12/8													
CHAMPION GQ	65.0	35.0	23.3	76.7	40.0	70.0	7.7	7.0	8.0	7.0	7.3	7.0	7.3	6.7	7.0	5.7	4.0
MAGNUM GOLD	65.0	35.0	23.3	76.7	33.3	60.0	7.3	7.0	7.7	7.0	7.3	7.0	7.3	6.7	7.3	5.7	4.3
OSC116	65.0	35.0	23.3	76.7	43.3	63.3	8.0	7.7	7.3	7.7	7.7	7.7	7.7	7.0	7.3	4.3	4.3
TOP HAT	70.0	30.0	33.3	66.7	20.0	53.3	7.0	7.0	7.0	6.7	6.3	6.0	6.3	6.0	6.0	6.3	3.3
MARVELGREEN SUPREME	65.0	35.0	23.3	76.7	36.7	66.7	7.7	7.3	7.3	7.0	7.0	6.7	6.7	7.0	6.7	6.0	4.3
PR 17	73.3	26.7	38.3	61.7	40.0	63.3	7.0	7.0	7.7	7.0	7.3	7.3	7.0	6.7	7.0	5.3	4.0
STP	68.3	31.7	28.3	71.7	50.0	60.0	6.7	7.0	7.3	7.0	7.3	6.7	7.3	7.0	7.0	4.7	4.3
FLASH II	71.7	28.3	35.0	65.0	23.3	60.0	6.7	7.0	7.3	7.0	7.0	7.0	6.7	6.3	6.0	6.3	4.3
LEAGUE MASTER	70.0	30.0	31.7	68.3	36.7	63.3	7.0	7.0	7.3	7.0	6.7	7.0	7.0	5.3	7.0	5.0	4.3
RAM-100	75.0	25.0	41.7	58.3	53.3	73.3	5.7	6.3	7.0	7.0	6.0	6.0	6.0	5.0	6.0	4.7	3.3
BMX 020383	70.0	30.0	33.3	66.7	33.3	60.0	7.3	7.0	7.7	7.0	7.3	7.0	7.7	6.3	7.0	4.3	4.0
COVET	66.7	33.3	26.7	73.3	53.3	63.3	7.0	7.0	7.3	7.0	7.0	7.0	7.0	6.3	6.3	4.0	4.0
CRR	70.0	30.0	31.7	68.3	46.7	63.3	7.3	7.0	7.7	7.0	7.0	7.0	7.3	5.0	7.0	4.7	3.7
IS-IR3	75.0	25.0	40.0	60.0	23.3	60.0	6.7	7.0	7.0	7.0	6.7	6.7	7.0	6.3	6.0	6.3	3.0
IS-OS	68.3	31.7	28.3	71.7	46.7	66.7	6.7	7.0	7.3	7.0	7.0	7.0	7.0	6.3	6.3	4.7	3.7
MTV-124	66.7	33.3	26.7	73.3	33.3	66.7	7.7	7.0	7.7	7.7	8.0	8.0	8.0	6.7	7.0	6.0	4.3
OS	73.3	26.7	40.0	60.0	36.7	66.7	7.3	7.0	7.3	7.0	7.0	7.0	7.0	6.0	7.0	5.7	4.3
OVERSEEDING EAGLE BLEND	66.7	33.3	25.0	75.0	46.7	73.0	7.0	7.0	7.3	7.0	6.7	6.7	7.0	6.7	6.7	3.7	3.7
PICK SD	71.7	28.3	36.7	63.3	63.0	76.7	8.0	7.3	8.0	7.3	8.3	8.0	7.7	6.7	7.7	3.0	3.7
ALS2	66.7	33.3	26.7	73.3	63.3	66.7	7.7	7.0	8.0	7.0	6.7	6.7	7.0	7.0	7.3	4.0	4.0
OSC110	70.0	30.0	30.0	70.0	30.0	60.0	7.3	7.3	7.7	7.0	7.0	6.7	6.7	6.3	6.7	5.7	4.3
PROSELECT	68.3	31.7	30.0	70.0	33.3	71.7	7.0	7.0	7.0	7.0	6.7	6.7	6.7	6.0	6.7	5.7	4.0
OSC108	71.7	28.3	33.3	66.7	50.0	70.0	6.7	7.3	7.7	7.0	7.0	6.7	7.0	6.3	6.3	4.3	4.0
PRS2	73.3	26.7	38.3	61.7	46.7	70.0	6.7	7.0	7.3	7.3	7.0	6.3	6.7	6.7	6.7	4.7	4.0
FUTURA 2500	70.0	30.0	31.7	68.3	43.3	66.7	7.7	7.0	7.3	7.0	7.0	6.7	7.0	6.3	7.0	4.3	4.0
PLAYMATE	70.0	30.0	35.0	65.0	63.3	73.3	8.0	7.3	7.7	7.3	7.0	7.7	7.3	6.3	7.7	2.7	3.7
COLT	85.0	15.0	63.3	36.7	50.0	76.7	5.3	5.7	6.7	6.7	6.0	6.0	6.0	5.0	5.7	5.3	3.0
CHARGER	73.3	26.7	36.7	63.3	43.3	56.7	6.0	6.7	6.7	6.3	6.0	5.7	5.7	5.7	5.7	5.7	3.7
STARLITE	81.7	18.3	55.0	45.0	81.7	85.0	6.0	5.7	6.7	6.3	6.0	6.0	6.3	5.0	6.0	2.3	3.0
RAD-OS3	78.3	21.7	48.3	51.7	70.0	80.0	6.0	6.7	6.7	6.7	6.3	6.0	6.3	5.7	6.3	2.3	2.7
WINTERPLAY	85.0	15.0	60.0	40.0	53.3	86.3	5.7	6.0	6.7	6.3	5.7	5.7	6.0	5.0	5.3	4.0	3.3
LSD VALUE	9.9	9.9	16.0	16.0	74.4	16.9	1.1	0.6	1.0	0.8	0.9	0.6	0.9	2.3	0.8	4.4	1.1
C.V. (%)	7.6	18.9	26.7	14.3	52.4	12.9	9.2	5.3	6.6	5.4	7.9	5.9	7.5	14.9	7.5	35.1	14.2

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME NAME	DENSITY RATINGS										
	12/8 DENSITY1	12/21 DENSITY2	1/14 DENSITY3	2/4 DENSITY4	2/18 DENSITY5	3/9 DENSITY6	3/29 DENSITY7	4/22 DENSITY8	5/5 DENSITY9	5/23 DENS10	6/16 DENS11
CHAMPION GQ	7.7	7.0	7.3	7.3	7.7	7.0	7.3	6.7	7.3	5.0	3.7
MAGNUM GOLD	6.7	6.7	7.0	7.0	7.0	7.0	7.3	6.7	7.0	5.3	4.0
OSC116	7.7	7.0	7.0	7.7	7.3	7.0	6.7	6.3	7.3	4.0	3.7
TOP HAT	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	4.7
MARVELGREEN SUPREME	7.3	6.7	7.0	6.7	7.0	6.7	6.3	6.7	6.7	5.3	4.3
PR 17	6.3	7.0	7.0	7.0	6.7	7.0	7.3	6.7	7.0	5.0	4.0
STP	6.0	6.7	7.0	6.7	6.7	7.0	7.0	6.7	7.7	4.7	4.3
FLASH II	6.3	7.0	7.0	7.0	6.7	6.7	6.7	5.7	7.0	6.0	3.7
LEAGUE MASTER	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.3	7.0	4.7	4.7
RAM-100	5.3	6.7	7.0	7.0	7.7	7.7	7.7	7.0	7.7	4.0	3.0
BMX 020383	6.3	6.7	7.0	7.0	7.0	6.7	7.0	6.0	7.0	3.7	3.3
COVET	6.3	7.3	7.0	7.0	7.0	7.0	7.0	6.0	7.0	4.3	3.7
CRR	6.7	6.7	7.0	7.0	6.7	7.0	7.3	6.3	7.7	4.3	4.0
IS-IR3	5.3	6.0	7.0	7.0	6.7	6.7	6.7	5.7	6.7	6.3	4.0
IS-0S	6.0	6.3	7.0	6.7	7.0	6.7	7.0	6.3	6.7	4.3	3.7
MTV-124	6.3	7.0	7.0	7.0	7.0	6.7	7.0	5.7	7.0	5.7	4.0
OS	6.0	6.7	7.0	7.0	6.7	7.0	7.0	6.0	7.0	5.0	3.7
OVERSEEDING EAGLE BLEND	7.3	6.3	7.0	7.0	6.7	6.7	7.0	6.3	7.0	3.3	3.7
PICK SD	6.0	7.0	7.0	7.0	7.3	6.7	6.7	6.3	7.0	3.7	2.7
ALS2	7.3	6.7	7.0	7.0	6.7	6.7	7.0	6.7	7.0	3.7	3.7
OSC110	6.3	7.0	7.0	7.0	6.3	6.7	7.0	6.0	7.0	5.3	4.0
PROSELECT	6.7	7.0	7.0	7.0	6.3	6.3	6.3	6.3	6.3	5.3	4.3
OSC108	6.0	7.0	7.0	6.7	7.0	6.3	6.7	6.0	7.0	4.0	3.3
PRS2	5.7	6.3	7.0	7.0	6.7	6.3	7.0	6.3	6.3	4.7	3.3
FUTURA 2500	6.3	6.3	7.0	7.0	6.3	6.3	7.0	6.3	6.3	4.3	3.7
PLAYMATE	6.3	6.7	7.0	7.0	6.3	6.7	7.0	6.0	7.0	2.3	3.0
COLT	3.7	6.0	7.0	7.0	7.3	7.7	7.7	7.3	7.7	4.0	2.0
CHARGER	5.3	6.0	6.7	6.0	7.0	6.3	6.3	6.0	6.0	5.0	4.0
STARLITE	5.0	5.7	7.0	6.7	7.0	7.0	8.0	7.3	7.3	3.0	2.0
RAD-0S3	5.3	6.0	6.7	6.3	6.7	6.3	7.3	6.3	7.0	2.3	2.7
WINTERPLAY	4.0	5.3	6.7	6.7	6.3	6.7	6.7	6.0	6.0	3.3	2.7
LSD VALUE	1.3	0.8	0.7	1.7	2.7	1.7	1.7	2.0	2.3	4.5	2.1
C.V. (%)	12.6	6.8	2.9	7.2	10.5	8.1	8.5	10.9	10.5	35.2	25.1

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	FALL QUALITY		WINTER QUALITY IN 2005				SPRING/SUMMER QUALITY IN 2005					QUALITY MEAN
	12/8/04	12/21/04	1/14	2/4	2/18	3/9	3/29	4/22	5/5	5/23	6/16	
CHAMPION GQ	7.3	7.0	7.3	7.0	7.7	7.0	7.3	6.7	7.0	5.0	6.3	6.9
MAGNUM GOLD	7.3	6.7	7.0	7.0	7.0	7.0	7.3	6.7	7.0	5.3	7.0	6.8
OSC116	7.3	7.0	7.0	7.7	7.7	7.0	7.3	6.3	7.3	4.0	5.7	6.8
TOP HAT	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0	7.0	6.0	6.7	6.8
MARVELGREEN SUPREME	7.0	6.7	7.0	7.0	7.0	6.7	6.7	6.3	7.0	5.0	7.0	6.7
PR 17	6.7	7.0	7.0	7.0	6.7	7.0	7.0	6.7	7.0	5.0	6.7	6.7
STP	6.7	6.7	7.0	7.0	6.7	7.0	7.0	6.7	7.3	4.7	6.7	6.7
FLASH II	7.0	7.0	7.0	7.0	6.7	7.7	6.3	5.7	7.0	6.0	5.7	6.6
LEAGUE MASTER	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.3	7.0	4.7	5.7	6.6
RAM-100	6.3	6.7	7.0	7.0	7.7	7.7	8.0	6.0	7.3	4.0	4.7	6.6
BMX 020383	7.0	6.7	7.0	6.7	7.0	6.7	6.7	6.0	7.0	3.7	7.0	6.5
COVET	6.7	7.3	7.0	7.0	7.0	7.0	7.0	6.0	7.0	4.0	5.0	6.5
CRR	7.0	6.7	7.0	7.0	6.7	7.0	7.3	6.3	7.0	4.7	5.3	6.5
IS-IR3	6.3	6.3	7.0	7.0	6.7	6.7	6.3	5.7	7.0	6.0	6.0	6.5
IS-OS	6.7	6.3	7.0	6.7	7.0	6.7	7.0	6.3	7.0	4.3	6.0	6.5
MTV-124	7.0	7.0	7.0	7.0	7.0	6.7	6.7	5.7	7.0	5.7	5.3	6.5
OS	7.0	6.7	7.0	7.0	6.7	7.0	7.0	6.0	7.0	5.0	5.7	6.5
OVERSEEDING EAGLE BLEND	7.3	6.3	7.0	7.0	6.7	6.7	7.0	6.7	7.0	3.7	5.7	6.5
PICK SD	6.7	7.0	7.0	7.0	7.3	6.7	7.0	6.7	7.0	3.7	6.0	6.5
ALS2	7.3	6.7	7.0	7.0	6.7	6.7	6.7	6.3	7.0	3.7	5.3	6.4
OSC110	6.7	6.3	7.0	7.0	6.3	6.7	6.3	6.0	7.0	5.3	5.3	6.4
PROSELECT	7.0	7.0	7.0	7.0	6.3	6.3	6.0	6.3	6.7	5.0	6.0	6.4
OSC108	6.3	7.0	7.0	6.7	7.0	7.3	6.3	6.0	7.0	4.0	4.7	6.3
PRS2	6.3	6.3	7.0	7.0	6.7	6.3	6.3	6.0	7.0	4.7	6.0	6.3
FUTURA 2500	7.0	6.3	7.0	7.0	6.0	4.3	6.7	6.3	7.0	4.3	5.7	6.2
PLAYMATE	7.0	6.7	7.0	7.0	6.7	6.7	6.7	6.0	7.0	2.3	5.3	6.2
COLT	4.7	6.0	7.0	7.0	7.3	7.7	7.3	5.3	7.0	3.7	3.7	6.1
CHARGER	6.0	6.0	6.3	6.3	7.0	6.3	5.7	6.0	6.0	5.0	5.3	6.0
STARLITE	5.3	6.0	7.0	6.7	6.7	7.0	8.0	5.7	7.3	2.0	4.7	6.0
RAD-OS3	5.3	6.0	6.7	6.3	6.3	6.3	6.3	6.0	7.0	2.3	4.3	5.7
WINTERPLAY	5.3	5.3	6.7	6.7	6.3	6.7	6.7	5.7	6.7	3.3	3.0	5.7
LSD VALUE	1.1	1.1	0.9	1.2	2.7	2.3	1.8	2.8	1.6	4.0	1.7	0.7
C.V. (%)	9.6	8.0	3.9	5.6	11.0	12.7	10.5	12.5	6.4	34.4	16.7	5.6

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 5A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT STOCKBRIDGE, GA (EAGLES LANDING COUNTRY CLUB)

Management information is not available for this site

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL PERCENT COVER (2004)		WINTER PERCENT COVER (2005)		PERCENT COVER IN SPRING/SUMMER		PERCENT EARLY ESTABLISHED	
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	?	?
	11/16	11/16	1/13	1/13	3/2/05	3/2/05		
BMX 020383	33.3	66.7	35.0	65.0	33.3	3.3	63.3	66.7
MARVELGREEN SUPREME	33.3	66.7	35.0	65.0	26.7	3.3	68.3	68.3
OS	30.0	70.0	33.3	66.7	23.3	0.0	58.3	76.7
OSC108	33.3	66.7	33.3	66.7	26.7	0.0	65.0	76.7
PR 17	33.3	66.7	35.0	65.0	23.3	3.3	60.0	75.0
COVET	38.3	61.7	28.3	71.7	20.0	3.3	68.3	76.7
CRR	30.0	70.0	31.7	68.3	23.3	3.3	76.7	75.0
FLASH II	33.3	66.7	28.3	71.7	25.0	1.7	66.7	70.0
FUTURA 2500	31.7	68.3	30.0	70.0	25.0	1.7	66.7	66.7
MAGNUM GOLD	28.3	71.7	28.3	71.7	21.7	1.7	70.0	66.7
MTV-124	38.3	61.7	36.7	63.3	30.0	3.3	68.3	68.3
OSC116	31.7	68.3	31.7	68.3	20.0	0.0	73.3	81.7
PICK SD	30.0	70.0	40.0	60.0	28.3	1.7	55.0	71.7
PROSELECT	31.7	68.3	25.0	71.7	16.7	3.3	71.7	75.0
TOP HAT	35.0	65.0	28.3	71.7	20.0	3.3	71.7	65.0
CHAMPION GQ	31.7	68.3	43.3	56.7	33.3	3.3	65.0	58.3
CHARGER	35.0	65.0	28.3	71.7	25.0	1.7	71.7	65.0
LEAGUE MASTER	25.0	75.0	31.7	68.3	25.0	1.7	65.0	73.3
OSC110	35.0	65.0	31.7	68.3	23.3	0.0	71.7	71.7
PRS2	31.7	68.3	31.7	68.3	23.3	0.0	70.0	65.0
ALS2	28.3	71.7	35.0	65.0	26.7	3.3	56.7	68.3
IS-OS	36.7	63.3	31.7	68.3	20.0	3.3	55.0	71.7
OVERSEEDING EAGLE BLEND	36.7	63.3	36.7	63.3	26.7	0.0	73.3	65.0
STP	40.0	60.0	35.0	65.0	25.0	1.7	60.0	71.7
PLAYMATE	36.7	63.3	36.7	60.0	31.7	1.7	66.7	70.0
IS-IR3	38.3	61.7	31.7	68.3	28.3	5.0	70.0	65.0
RAD-OS3	38.3	61.7	31.7	68.3	26.7	3.3	70.0	61.7
RAM-100	41.7	58.3	33.3	66.7	20.0	0.0	10.0	35.0
WINTERPLAY	50.0	50.0	31.7	68.3	28.3	1.7	10.0	40.0
STARLITE	56.7	43.3	41.7	58.3	26.7	3.3	5.0	36.7
COLT	40.0	60.0	26.7	73.3	16.7	3.3	18.3	40.0
LSD VALUE	12.2	12.2	23.3	22.7	23.0	7.8	13.2	14.9
C.V. (%)	18.5	10.1	21.9	10.6	29.0	113.4	14.8	14.0

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	GENETIC COLOR	WINTER COLOR	SPRING COLOR	LATE		SPRING DENSITY	LATE DENSITY	FALL QUALITY 11/16/04	WINTER QUALITY 1/13/05	SPRING/SUMMER 3/2	QUALITY (05) 4/12	QUALITY (05) 5/2	QUALITY (05) 6/6	QUALITY MEAN
				SPRING LEAF TEXTURE	SPRING LEAF TEXTURE									
BMX 020383	8.0	7.0	7.3	7.3	7.0	7.3	6.7	7.3	6.7	6.7	7.7	7.7	7.3	7.2
MARVELGREEN SUPREME	8.0	7.0	7.3	7.0	7.0	6.7	6.7	7.0	6.7	7.0	7.7	7.7	7.0	7.2
OS	8.0	7.0	7.3	7.3	7.0	7.0	7.0	6.7	6.7	7.0	8.0	7.3	7.7	7.2
OSC108	7.0	7.0	7.3	7.0	7.0	7.0	7.0	7.0	6.7	7.0	7.3	7.7	7.3	7.2
PR 17	7.7	6.7	7.7	7.0	7.0	7.0	7.0	7.0	6.7	7.3	7.7	7.3	7.0	7.2
COVET	6.7	6.7	7.3	6.7	7.0	6.7	7.3	6.7	7.0	7.0	7.7	7.0	7.3	7.1
CRR	7.7	7.0	7.3	7.0	7.0	6.7	6.7	6.3	7.0	7.0	7.7	7.3	7.3	7.1
FLASH II	7.3	7.0	7.3	7.0	7.0	6.3	7.3	6.3	7.0	7.0	7.7	7.0	7.3	7.1
FUTURA 2500	7.0	7.0	7.0	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.3	7.3	7.0	7.1
MAGNUM GOLD	7.3	7.0	7.0	7.0	7.0	6.3	7.0	7.0	6.7	7.0	7.7	7.0	7.0	7.1
MTV-124	8.0	7.0	8.0	7.0	7.0	7.0	7.3	7.0	6.7	6.7	7.3	7.3	7.3	7.1
OSC116	7.7	7.0	7.7	7.0	7.0	6.7	7.0	6.3	7.0	7.0	8.0	7.0	7.3	7.1
PICK SD	8.7	6.7	7.7	7.3	7.0	7.0	7.0	7.7	6.3	6.7	7.3	7.7	7.0	7.1
PROSELECT	7.3	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0	7.3	7.0	7.3	7.0	7.1
TOP HAT	6.7	6.7	7.0	7.0	7.3	7.0	7.3	6.0	7.0	7.0	7.7	7.3	7.3	7.1
CHAMPION GQ	8.0	6.7	7.3	7.3	7.0	7.0	6.0	6.7	6.3	7.0	7.3	7.7	7.0	7.0
CHARGER	6.0	6.7	7.0	7.3	7.0	7.0	7.0	6.3	7.0	6.7	7.3	7.0	7.7	7.0
LEAGUE MASTER	7.0	6.7	7.0	7.0	7.0	6.3	7.0	6.7	7.0	7.0	7.3	7.0	7.0	7.0
OSC110	7.3	6.7	7.3	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.3	7.0
PRS2	7.7	7.0	7.3	7.3	7.0	6.3	7.0	6.7	7.0	6.7	7.7	7.0	7.0	7.0
ALS2	8.0	7.0	7.3	7.0	7.0	7.0	7.0	7.0	6.7	6.7	7.0	7.3	7.0	6.9
IS-OS	7.3	6.7	7.0	6.7	7.0	6.0	7.0	6.7	6.7	7.0	7.3	6.7	7.0	6.9
OVERSEEDING EAGLE BLEND	7.0	7.0	7.0	7.0	7.0	6.5	6.3	6.3	6.7	6.7	7.7	7.0	7.0	6.9
STP	7.3	7.0	7.0	6.7	7.0	6.7	7.0	6.3	6.7	7.0	7.3	7.0	7.0	6.9
PLAYMATE	8.3	6.7	7.3	7.0	7.0	7.0	6.7	7.0	6.0	6.3	7.3	7.3	7.0	6.8
IS-IR3	6.7	6.7	7.0	6.3	7.0	6.0	6.7	6.3	6.7	6.3	7.3	6.7	6.7	6.7
RAD-OS3	6.3	7.0	7.0	6.0	7.0	6.3	6.0	5.3	7.0	6.7	7.3	6.3	7.0	6.6
RAM-100	6.7	7.0	7.0	7.0	8.0	7.0	5.0	6.0	7.0	6.7	5.7	7.0	7.0	6.6
WINTERPLAY	6.7	6.3	6.7	7.0	7.7	7.0	5.0	6.7	6.3	6.3	6.0	7.0	6.7	6.5
STARLITE	6.7	7.0	6.7	7.0	7.7	6.5	5.0	5.7	6.3	6.3	6.0	7.0	7.0	6.4
COLT	5.3	7.0	6.3	7.0	7.7	7.0	5.0	5.3	7.0	6.7	5.3	6.3	6.7	6.2
LSD VALUE	0.7	1.8	1.3	1.7	0.3	1.5	1.5	0.9	1.9	1.5	3.0	1.4	1.7	0.6
C.V. (%)	6.3	6.3	6.7	7.2	3.0	7.7	11.9	7.6	7.7	6.9	14.1	7.3	6.6	4.2

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 6A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT MISSISSIPPI STATE, MS (MISS. STATE UNIV. GOLF COURSE)

SEEDBED PREPARATION		FERTILIZATION		
		Date(s)	Product	Rate (lbs./M)
MOWING		10/14/2005	5-20-20	1# P205,K20
		1/25/2005	13-13-13	1#N
VERTICAL MOWING	.25" DEPTH IN 2 DIRECTIONS			
Initial height	.75"			
mowing height during test	.5"			
Frequency	3 X/WEEK			
Type of mower	JAC. 3800 REEL MOWER			
		FUNGICIDES		
		Date(s)	Product	Rate (oz./M)
		None		
CULTIVATION				
Aerification - dates		HERBICIDES		
Aerification - type				
Verticutting		Date(s)	Product	Rate (oz./M)
Dates of topdressing				
Other cultural practices		None		
MAINTENANCE PRACTICES TO ENHANCE SPRING		INSECTICIDES		
		Date(s)	Product	Rate (oz./M)
		None		
OTHER INFORMATION		OTHER PRODUCTS		
Course closed for overseeding				
Landing area				
Divoting problem				
Cart allowed on Test area	Limited (Handicap/Seniors only)			
Traffic patterns		Date(s)	Product	Rate (oz./M)
		None		
NOTES/COMMENTS				

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

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
 2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL TRANSITION PERIOD (2004)				WINTER PERCENT COVER OF DORMANCY BERMUDAGRASS AND LIVING OVERSEEDING GRASSES IN 2005					
	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS	BERMUDA GRASS	OVERSEED GRASS
	11/24	11/24	12/13	12/13	1/4	1/4	1/21	1/21	2/15	2/15
STP	56.7	43.3	30.0	70.0	0	78.3	0	81.7	0	88.3
COVET	58.3	41.7	33.3	66.7	0	75.0	0	83.3	0	88.3
MTV-124	63.3	36.7	30.0	70.0	0	71.7	0	80.0	0	85.0
OSC116	60.0	40.0	31.7	68.3	0	75.0	0	81.7	0	86.7
CHAMPION GQ	55.0	45.0	35.0	65.0	0	75.0	0	81.7	0	86.7
FUTURA 2500	61.7	38.3	35.0	65.0	0	73.3	0	80.0	0	85.0
MAGNUM GOLD	60.0	40.0	31.7	68.3	0	71.7	0	80.0	0	85.0
OSC110	58.3	41.7	30.0	70.0	0	71.7	0	81.7	0	86.7
PROSELECT	60.0	40.0	33.3	66.7	0	75.0	0	81.7	0	86.7
COLT	46.7	53.3	15.0	85.0	0	90.0	0	95.0	0	98.0
CRR	56.7	43.3	31.7	68.3	0	71.7	0	80.0	0	85.0
FLASH II	56.7	43.3	30.0	70.0	0	73.3	0	80.0	0	86.7
LEAGUE MASTER	60.0	40.0	31.7	68.3	0	73.3	0	80.0	0	85.0
MARVELGREEN SUPREME	60.0	40.0	31.7	68.3	0	73.3	0	80.0	0	85.0
OS	63.3	36.7	36.7	63.3	0	68.3	0	80.0	0	85.0
OSC108	60.0	40.0	31.7	68.3	0	73.3	0	80.0	0	86.7
OVERSEEDING EAGLE BLEND	61.7	38.3	31.7	68.3	0	71.7	0	80.0	0	85.0
PLAYMATE	63.3	36.7	30.0	70.0	0	70.0	0	80.0	0	85.0
PR 17	61.7	38.3	38.3	61.7	0	70.0	0	80.0	0	85.0
ALS2	61.7	38.3	33.3	66.7	0	71.7	0	81.7	0	85.0
BMX 020383	60.0	40.0	30.0	70.0	0	73.3	0	80.0	0	85.0
PICK SD	65.0	35.0	31.7	68.3	0	73.3	0	80.0	0	85.0
PRS2	60.0	40.0	31.7	68.3	0	70.0	0	80.0	0	85.0
CHARGER	61.7	38.3	40.0	60.0	0	75.0	0	81.7	0	86.7
STARLITE	58.3	41.7	21.7	78.3	0	88.3	0	95.0	0	97.0
TOP HAT	60.0	40.0	33.3	66.7	0	71.7	0	81.7	0	88.3
WINTERPLAY	56.7	43.3	28.3	71.7	0	81.7	0	91.7	0	91.7
IS-IR3	63.3	36.7	36.7	63.3	0	68.3	0	78.3	0	85.0
IS-OS	61.7	38.3	35.0	65.0	0	70.0	0	80.0	0	85.0
RAD-OS3	61.7	38.3	33.3	66.7	0	71.7	0	81.7	0	85.0
RAM-100	51.7	48.3	16.7	83.3	0	85.0	0	90.0	0	94.3
LSD VALUE	5.8	5.8	8.3	8.3	0	6.1	0	3.9	0	3.0
C.V. (%)	5.7	8.3	15.4	7.0	.	5.1	.	3.1	.	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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005													
	BERMUDA OVERSEED		BERMUDA OVERSEED		BERMUDA OVERSEED		BERMUDA OVERSEED		BERMUDA OVERSEED		BERMUDA OVERSEED		BERMUDA OVERSEED	
	GRASS 3/15	GRASS 3/15	GRASS 4/5	GRASS 4/5	GRASS 4/30	GRASS 4/30	GRASS 5/20	GRASS 5/20	GRASS 6/6	GRASS 6/6	GRASS 6/16	GRASS 6/16	GRASS 6/30	GRASS 3/30
STP	0	95.0	0	99.0	10.0	89.7	25.3	70.0	38.0	60.0	58.3	36.7	75.0	23.0
COVET	0	94.7	0	98.7	10.0	89.7	24.7	73.3	41.3	56.7	55.0	40.0	75.0	23.0
MTV-124	0	91.7	0	98.0	14.3	84.3	31.0	66.3	48.0	50.0	56.7	38.3	75.0	23.0
OSC116	0	93.3	0	98.3	10.0	89.3	28.7	68.3	38.0	60.0	51.7	41.7	73.3	22.7
CHAMPION GQ	0	96.3	0	98.0	12.3	87.7	29.3	66.0	41.3	56.7	55.0	40.0	75.0	22.0
FUTURA 2500	0	91.7	0	98.3	16.7	82.0	24.3	66.7	42.0	53.3	55.0	38.3	75.0	23.0
MAGNUM GOLD	0	91.7	0	98.0	13.3	85.7	32.0	65.0	44.7	53.3	55.0	40.0	75.0	22.0
OSC110	0	91.7	0	98.0	10.0	89.3	25.3	73.0	41.3	56.7	55.0	40.0	75.0	23.0
PROSELECT	0	91.7	0	98.3	10.0	89.0	30.3	61.7	41.3	56.7	53.3	41.7	76.7	20.3
COLT	0	99.0	0	99.0	18.3	65.0	33.3	60.0	46.0	48.3	53.3	35.0	80.0	10.0
CRR	0	91.7	0	98.0	10.0	88.7	29.7	68.3	38.0	60.0	53.3	40.0	75.0	22.0
FLASH II	0	93.3	0	98.0	10.7	88.0	27.0	68.3	38.0	60.0	55.0	40.0	75.0	22.0
LEAGUE MASTER	0	91.7	0	98.0	13.3	86.0	31.0	63.3	38.0	60.0	55.0	38.3	75.0	22.0
MARVELGREEN SUPREME	0	90.0	0	98.0	13.3	85.3	28.7	66.7	42.0	55.0	55.0	40.0	76.7	18.7
OS	0	90.0	0	98.0	10.0	89.3	23.7	73.3	38.0	60.0	58.3	36.7	75.0	22.0
OSC108	0	91.7	0	97.7	13.3	86.0	28.7	66.7	38.0	60.0	53.3	41.7	75.0	22.0
OVERSEEDING EAGLE BLEND	0	90.0	0	98.0	13.3	85.3	27.0	65.0	40.3	56.7	53.3	38.3	76.7	18.7
PLAYMATE	0	90.0	0	97.0	18.3	79.3	28.7	56.7	46.0	48.3	56.7	38.3	75.0	22.0
PR 17	0	90.0	0	96.7	10.0	88.7	30.3	66.7	41.3	56.7	55.0	40.0	75.0	22.0
ALS2	0	91.7	0	97.3	16.7	82.3	28.7	63.3	41.3	56.7	55.0	38.3	76.7	18.7
BMX 020383	0	90.0	0	98.0	16.7	82.0	30.3	60.0	40.3	53.3	55.0	38.3	75.0	17.0
PICK SD	0	91.7	0	97.0	16.7	80.7	33.7	60.0	44.7	53.3	51.7	41.7	75.0	18.7
PRS2	0	90.0	0	97.0	16.7	82.0	27.0	65.0	43.7	53.3	56.7	38.3	75.0	22.0
CHARGER	0	94.7	0	97.3	10.0	88.7	33.7	63.3	44.3	51.7	53.3	40.0	78.3	17.0
STARLITE	0	96.0	0	99.0	23.3	61.7	31.0	50.0	46.0	46.7	60.0	28.3	78.3	3.3
TOP HAT	0	95.0	0	98.7	11.7	86.0	28.7	66.7	42.0	55.0	55.0	38.3	75.0	20.3
WINTERPLAY	0	94.7	0	97.7	25.0	70.0	31.0	60.0	42.7	53.3	58.3	31.7	76.7	6.7
IS-IR3	0	88.3	0	97.7	16.7	81.0	30.3	65.0	50.3	46.7	61.7	31.7	78.3	16.0
IS-OS	0	90.0	0	98.0	13.3	85.7	32.0	60.0	47.0	50.0	55.0	36.7	76.7	18.7
RAD-OS3	0	91.7	0	98.3	16.7	81.0	23.7	61.7	47.0	46.7	58.3	31.7	78.3	11.7
RAM-100	0	94.7	0	97.3	20.0	56.7	36.7	40.0	46.0	43.3	61.7	25.0	80.0	3.3
LSD VALUE	0	5.4	0	2.3	7.6	15.3	13.3	17.7	18.3	22.1	16.4	8.2	3.8	6.1
C.V. (%)	.	3.0	.	0.9	29.2	10.2	16.4	12.8	13.6	13.9	8.4	11.5	2.5	20.7

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	GENETIC	WINTER	DENSITY	LEAF	SEEDLING	FALL QUALITY (2004)		
	COLOR	COLOR	SPRING	TEXTURE	VIGOR	11/12	12/8	12/17
STP	6.3	7.0	7.0	7.0	7.7	7.0	6.0	6.7
COVET	6.7	6.7	6.7	7.0	7.3	7.0	6.0	6.7
MTV-124	7.3	7.0	7.0	7.0	7.0	7.0	6.0	6.3
OSC116	6.7	6.7	7.0	7.0	7.0	7.0	6.0	6.0
CHAMPION GQ	6.7	7.0	7.0	7.0	7.0	6.7	6.0	6.3
FUTURA 2500	6.3	6.3	7.0	6.7	7.0	7.0	6.0	6.0
MAGNUM GOLD	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.3
OSC110	7.0	6.7	7.0	7.0	7.0	7.0	6.3	6.3
PROSELECT	6.3	6.7	7.0	7.0	7.3	7.0	6.3	6.7
COLT	5.0	5.0	8.0	7.3	5.0	7.0	6.0	6.7
CRR	6.0	6.0	6.3	7.0	7.3	7.0	6.0	6.3
FLASH II	6.7	7.0	7.0	7.0	7.3	6.7	6.0	6.0
LEAGUE MASTER	6.7	6.3	7.0	7.0	7.0	7.0	6.0	6.3
MARVELGREEN SUPREME	7.0	7.0	6.7	7.0	7.0	7.0	6.0	6.0
OS	7.0	6.3	7.0	7.0	6.7	6.7	6.0	6.0
OSC108	6.7	6.7	6.7	7.0	7.0	7.0	6.0	6.0
OVERSEEDING EAGLE BLEND	6.7	6.3	7.0	6.7	7.0	7.0	6.0	6.0
PLAYMATE	7.7	7.3	7.0	7.0	7.0	7.0	6.7	6.0
PR 17	7.0	6.7	6.3	6.7	6.7	7.0	6.0	6.0
ALS2	6.7	6.7	7.0	7.0	7.0	7.0	6.0	5.7
BMX 020383	7.0	6.7	7.0	7.0	7.0	7.0	6.0	6.0
PICK SD	7.7	7.7	6.7	7.0	6.0	6.7	6.0	6.3
PRS2	6.3	6.0	6.7	7.0	7.0	7.0	6.0	5.7
CHARGER	5.7	6.0	7.0	7.0	7.3	7.0	6.0	6.0
STARLITE	5.0	5.0	8.0	8.0	4.7	7.0	6.0	6.7
TOP HAT	6.0	6.0	7.0	7.0	8.0	7.0	5.7	5.7
WINTERPLAY	4.7	4.7	7.7	7.3	4.7	7.0	5.7	6.3
IS-IR3	6.3	6.3	6.7	6.7	7.7	7.0	6.0	5.7
IS-OS	6.7	6.7	6.7	6.3	7.0	7.0	6.0	5.7
RAD-OS3	6.0	6.0	7.0	6.7	7.7	7.0	5.7	5.3
RAM-100	5.3	5.0	7.7	7.7	4.7	7.0	6.3	6.7
LSD VALUE	0.7	0.8	0.5	0.6	0.5	0.7	0.7	0.8
C.V. (%)	7.0	7.6	4.6	4.4	5.3	2.9	4.4	6.8

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	WINTER QUALITY RATINGS IN 2005				SPRING/SUMMER QUALITY RATINGS IN 2005							QUALITY MEAN
	1/4	1/21	2/15	2/28	3/15	4/13	5/2	5/20	6/6	6/16	6/30	
STP	6.0	6.3	7.0	7.0	7.0	7.7	7.3	6.7	8.0	7.0	7.0	6.9
COVET	5.7	6.3	6.7	6.7	6.7	7.3	7.7	7.3	7.7	7.0	7.0	6.8
MTV-124	5.3	6.0	6.7	7.0	7.0	7.3	7.3	7.0	8.0	6.7	7.0	6.8
OSC116	5.7	6.3	6.7	7.0	7.0	7.7	7.0	7.0	8.0	7.0	7.0	6.8
CHAMPION GQ	5.7	6.0	6.7	7.0	7.0	7.7	7.3	6.7	7.7	6.7	6.7	6.7
FUTURA 2500	5.3	6.3	6.3	7.0	7.0	7.3	7.3	6.7	7.3	6.7	7.0	6.7
MAGNUM GOLD	5.7	6.0	6.7	6.3	7.0	7.3	7.7	6.7	7.7	7.0	7.0	6.7
OSC110	5.3	6.0	6.0	6.7	7.0	7.0	7.7	7.0	8.0	7.0	7.0	6.7
PROSELECT	5.3	6.0	6.3	7.0	7.0	7.0	7.7	6.3	7.3	6.7	7.0	6.7
COLT	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.3	7.0	5.7	6.0	6.6
CRR	5.7	6.0	6.0	6.3	6.7	7.0	7.3	7.3	7.3	7.0	7.0	6.6
FLASH II	5.3	6.3	6.3	7.0	7.0	7.0	7.3	6.7	7.3	6.7	7.0	6.6
LEAGUE MASTER	5.0	6.0	6.3	7.0	7.0	7.7	7.0	5.7	8.0	6.7	7.0	6.6
MARVELGREEN SUPREME	5.3	6.0	6.3	6.7	7.0	7.3	7.3	6.7	7.3	7.0	7.0	6.6
OS	5.3	6.0	6.0	6.7	7.0	7.3	7.3	7.3	7.3	6.3	7.0	6.6
OSC108	5.7	6.0	6.3	6.3	6.7	7.3	7.3	6.3	7.7	7.0	7.0	6.6
OVERSEEDING EAGLE BLEND	5.3	6.0	6.0	7.0	7.0	7.3	7.3	6.0	7.7	7.0	7.0	6.6
PLAYMATE	5.3	5.7	6.0	6.3	7.0	7.3	7.3	6.3	7.3	6.7	7.0	6.6
PR 17	5.3	6.0	6.0	6.0	7.0	7.3	7.0	7.3	7.3	6.7	7.0	6.6
ALS2	5.0	5.7	6.3	6.7	6.7	7.3	7.3	6.3	7.3	6.7	7.0	6.5
BMX 020383	5.3	6.0	6.0	6.3	7.0	7.3	7.3	6.3	7.3	6.7	6.7	6.5
PICK SD	5.3	6.0	6.0	6.0	7.0	7.3	7.3	6.0	7.3	6.7	7.0	6.5
PRS2	5.0	5.7	6.0	6.0	7.0	7.3	7.3	6.7	7.3	6.3	7.0	6.5
CHARGER	5.3	6.0	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.0	6.7	6.4
STARLITE	6.7	7.0	7.0	7.0	7.0	7.0	5.3	5.7	6.3	5.3	5.3	6.4
TOP HAT	5.3	6.0	6.3	6.3	6.7	7.0	6.7	6.3	7.0	6.7	6.7	6.4
WINTERPLAY	6.7	6.7	6.7	6.7	7.0	6.7	6.3	6.0	6.7	5.7	5.3	6.4
IS-IR3	5.0	5.7	6.3	6.7	6.7	6.7	7.0	6.7	6.3	6.3	6.3	6.3
IS-OS	5.0	6.0	6.3	6.3	6.7	7.3	7.0	6.3	6.7	6.0	6.3	6.3
RAD-OS3	5.3	6.0	6.3	6.7	6.7	7.0	7.0	6.0	5.7	5.7	6.0	6.2
RAM-100	6.7	6.7	6.7	6.7	6.7	6.7	5.3	5.0	5.7	5.0	5.3	6.2
LSD VALUE	0.7	0.6	1.2	0.9	1.2	1.4	0.8	1.7	1.1	0.8	0.5	0.4
C.V. (%)	7.8	5.7	7.1	6.4	4.6	6.6	7.0	10.9	8.3	7.1	4.6	3.1

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 7A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT PINEHURST, NC (PINEHURST COUNTRY CLUB #3)

SEEDBED PREPARATION

Method Verti-cutting
Date 8/22/04

FERTILIZATION

Date(s)	Product	Rate (lbs./M)
10/27/04	10-20-20	0.5 lbs N
1/15/05	34-0-0	0.5 lbs N
3/10/05	5-10-17	0.5 lbs N

MOWING

Initial height 750/1000 inch
mowing height during test 500/1000 inch
Frequency 3 times per week
Type of mower Gang reel mower

FUNGICIDES

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

CULTIVATION

Aerification - dates 5/2/05
Aerification - type Spoon tine
Verticutting 8/22/04
Dates of topdressing N/A
Other cultural practices

HERBICIDES

Date(s)	Product	Rate (oz./M)
8/25/04	Barricade	0.22 oz product per 1000 sq ft
3/10/05	Ronstar	2.5 lbs product per 1000 sq ft

INSECTICIDES

MAINTENANCE PRACTICES TO ENHANCE SPRING

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

OTHER INFORMATION

Course closed for overseeding Yes: 10/11/04
Landing area Yes
Divoting problem No
Cart allowed on Test area Yes
Traffic patterns None

OTHER PRODUCTS

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

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

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL (2004)						WINTER PERCENT COVER OF DORMANCY BERMUDA AND LIVING OVERSEEDING GRASSES (05)									
	BERMUDA		OVERSEED		BERMUDA		OVERSEED		BERMUDA		OVERSEED		BERMUDA		OVERSEED	
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	11/24	11/24	12/7	12/7	12/22	12/22	1/5	1/5	3/10	3/10	2/4	2/4	3/22	3/22		
COVET	23.3	76.7	14.0	86.0	10.7	89.3	9.0	91.0	4.7	95.3	6.3	93.7	4.7	95.3		
LEAGUE MASTER	16.7	81.7	16.7	83.3	13.3	86.7	11.7	88.3	21.0	87.3	10.0	90.0	7.7	92.3		
OSC110	33.3	65.0	30.0	70.0	20.0	80.0	13.3	86.7	6.7	93.3	11.7	88.3	6.0	94.0		
BMX 020383	20.0	80.0	16.7	83.3	13.3	86.7	11.0	89.0	8.0	92.0	10.3	89.7	8.0	92.0		
CRR	16.7	81.7	11.7	88.3	11.7	88.3	10.0	90.0	9.0	91.0	9.0	91.0	9.0	91.0		
OSC116	20.0	80.0	16.7	83.3	13.3	86.7	11.7	88.3	6.0	94.0	10.0	90.0	6.0	94.0		
TOP HAT	16.7	83.3	15.0	85.0	13.3	86.7	13.3	86.7	9.0	91.0	12.3	87.7	9.0	91.0		
CHAMPION GQ	23.3	76.7	15.0	85.0	11.7	88.3	11.7	88.3	10.7	89.3	11.7	88.3	10.7	89.3		
MAGNUM GOLD	20.0	80.0	18.3	81.7	16.7	83.3	30.0	85.0	18.3	90.7	11.7	88.3	7.7	92.3		
FLASH II	21.7	78.3	18.3	81.7	18.3	81.7	15.0	85.0	11.7	88.3	13.3	86.7	10.0	90.0		
MTV-124	30.0	70.0	26.7	73.3	20.0	80.0	18.3	81.7	15.0	85.0	16.7	83.3	13.3	86.7		
STP	33.3	66.7	20.0	80.0	20.0	80.0	20.0	80.0	18.3	81.7	20.0	80.0	13.3	86.7		
IS-IR3	28.3	71.7	25.0	75.0	21.7	78.3	20.0	80.0	11.7	88.3	20.0	80.0	10.7	92.7		
OSC108	41.7	58.3	33.3	66.7	28.3	71.7	18.3	81.7	13.3	86.7	16.7	83.3	13.3	86.7		
OVERSEEDING EAGLE BLEND	38.3	61.7	31.0	69.0	31.0	69.0	24.3	75.7	19.0	81.0	19.0	81.0	17.3	82.7		
ALS2	36.7	63.3	30.0	70.0	28.3	71.7	26.7	73.3	25.7	74.3	26.7	73.3	20.7	79.3		
FUTURA 2500	31.7	68.3	26.7	73.3	23.3	76.7	21.7	78.3	17.7	82.3	20.0	80.0	12.7	87.3		
IS-OS	28.3	71.7	21.7	78.3	16.7	83.3	16.7	83.3	14.3	85.7	16.7	83.3	12.7	87.3		
OS	51.7	48.3	36.7	66.7	28.3	71.7	26.7	73.3	18.3	81.7	21.7	78.3	16.7	83.3		
PLAYMATE	33.3	58.3	25.0	75.0	21.7	78.3	21.7	78.3	16.7	83.3	18.3	81.7	15.0	85.0		
PROSELECT	26.7	73.3	23.3	76.7	21.7	78.3	18.3	81.7	16.7	83.3	18.3	81.7	15.0	85.0		
PRS2	30.0	70.0	26.7	73.3	25.7	74.3	25.7	74.3	24.0	76.0	25.7	74.3	17.3	82.7		
PR 17	36.7	63.3	26.7	73.3	20.0	80.0	18.3	81.7	13.3	86.7	16.7	83.3	11.7	88.3		
CHARGER	36.7	63.3	25.0	75.0	25.0	75.0	30.0	70.0	20.0	80.0	30.0	70.0	18.3	81.7		
MARVELGREEN SUPREME	41.7	58.3	36.7	63.3	35.0	65.0	28.3	71.7	30.0	70.0	30.0	70.0	26.7	73.3		
RAD-OS3	23.3	76.7	21.7	78.3	33.3	66.7	30.0	70.0	18.3	81.7	30.0	70.0	16.7	83.3		
PICK SD	38.3	61.7	35.0	65.0	30.0	70.0	28.3	71.7	30.0	70.0	28.3	71.7	30.0	70.0		
STARLITE	48.3	51.7	48.3	51.7	45.0	55.0	35.0	65.0	25.0	75.0	28.3	71.7	21.7	78.3		
WINTERPLAY	46.7	53.3	43.3	56.7	41.7	58.3	38.3	61.7	31.7	68.3	36.7	63.3	30.0	70.0		
RAM-100	63.3	36.7	56.7	43.3	53.3	46.7	45.0	55.0	33.3	66.7	41.7	58.3	31.7	68.3		
COLT	85.0	13.3	81.7	15.0	76.7	20.0	66.7	30.0	51.7	45.0	60.0	36.7	51.7	45.0		
LSD VALUE	29.5	29.6	23.3	24.0	23.0	23.5	30.6	28.2	39.8	36.8	29.2	30.4	29.4	30.2		
C.V. (%)	46.5	23.8	47.4	19.2	51.5	18.1	62.9	18.3	79.8	17.8	65.8	18.0	80.0	15.8		

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2005)

NAME	BERMUDA	OVER-	BERMUDA	OVER-	BERMUDA	OVER-	BERMUDA	OVER-	BERMUDA	OVER-	BERMUDA	OVER-	BERMUDA	OVER-	BERMUDA	OVER-
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	3/28	3/28	4/4	4/4	4/19	4/19	5/5	5/5	5/19	5/19	6/6	6/6	6/20	6/20	7/7	7/7
COVET	10	97.3	25	91.7	26.7	71.7	41.7	61.7	61.7	41.7	60.0	40.0	68.3	31.7	85.0	15.0
LEAGUE MASTER	10	94.0	25	85.0	28.3	70.0	38.3	61.7	60.0	40.0	63.3	36.7	71.7	28.3	88.3	11.7
OSC110	10	95.7	25	85.0	26.7	71.7	38.3	61.7	60.0	40.0	65.0	35.0	70.0	30.0	88.3	11.7
BMX 020383	10	93.7	25	88.3	28.3	70.0	38.3	61.7	65.0	35.0	65.0	35.0	68.3	31.7	86.7	13.3
CRR	10	92.7	25	86.7	23.3	73.3	36.7	63.3	53.3	46.7	60.0	40.0	68.3	31.7	91.7	8.3
OSC116	10	95.7	25	83.3	30.0	70.0	40.0	60.0	58.3	41.7	65.0	35.0	68.3	31.7	85.0	15.0
TOP HAT	10	96.0	25	88.3	28.3	70.0	38.3	61.7	63.3	36.7	66.7	33.3	70.0	26.7	88.3	11.7
CHAMPION GQ	10	92.7	25	85.0	26.7	71.7	40.0	60.0	61.7	38.3	65.0	35.0	68.3	31.7	85.0	15.0
MAGNUM GOLD	10	94.0	25	88.3	35.0	56.7	50.0	50.0	65.0	35.0	68.3	31.7	71.7	28.3	88.3	11.7
FLASH II	10	93.3	25	86.7	28.3	70.0	43.3	56.7	63.3	36.7	66.7	33.3	70.0	30.0	90.0	10.0
MTV-124	10	91.7	25	81.7	26.7	73.3	38.3	61.7	61.7	38.3	60.0	36.7	66.7	30.0	90.0	10.0
STP	10	90.0	25	83.3	31.7	65.0	40.0	60.0	60.0	40.0	63.3	36.7	71.7	28.3	88.3	11.7
IS-IR3	10	94.3	25	86.7	30.0	68.3	55.0	45.0	51.7	48.3	66.7	33.3	76.7	23.3	93.3	6.7
OSC108	10	88.3	25	78.3	33.3	63.3	41.7	58.3	61.7	38.3	65.0	35.0	71.7	28.3	86.7	13.3
OVERSEEDING EAGLE BLEND	10	89.3	25	86.7	33.3	68.3	46.7	53.3	61.7	38.3	65.0	35.0	71.7	28.3	88.3	11.7
ALS2	10	89.3	25	80.0	28.3	66.7	45.0	55.0	60.0	40.0	65.0	35.0	73.3	26.7	88.3	11.7
FUTURA 2500	10	90.7	25	85.0	30.0	68.3	41.7	58.3	60.0	40.0	65.0	35.0	73.3	26.7	91.7	8.3
IS-OS	10	90.7	25	85.0	33.3	65.0	40.0	60.0	61.7	38.3	63.3	36.7	73.3	26.7	88.3	11.7
OS	10	88.3	25	80.0	28.3	66.7	38.3	61.7	58.3	41.7	61.7	38.3	71.7	28.3	88.3	11.7
PLAYMATE	10	88.3	25	80.0	30.0	66.7	43.3	56.7	61.7	38.3	63.3	36.7	65.0	31.7	90.0	10.0
PROSELECT	10	91.7	25	81.7	28.3	66.7	43.3	56.7	61.7	38.3	60.0	40.0	75.0	25.0	86.7	13.3
PRS2	10	87.7	25	83.3	31.7	65.0	46.7	53.3	61.7	38.3	63.3	36.7	73.3	26.7	88.3	11.7
PR 17	10	90.0	25	81.7	30.0	66.7	45.0	55.0	60.0	40.0	63.3	36.7	71.7	28.3	88.3	11.7
CHARGER	10	90.0	25	78.3	31.7	65.0	45.0	55.0	58.3	41.7	65.0	35.0	75.0	25.0	91.7	8.3
MARVELGREEN SUPREME	10	80.0	25	71.7	33.3	60.0	46.7	53.3	61.7	38.3	63.3	36.7	76.7	23.3	90.0	10.0
RAD-OS3	10	90.0	25	83.3	30.0	63.3	43.3	58.3	56.7	43.3	63.3	36.7	71.7	25.0	93.3	6.7
PICK SD	10	78.3	25	71.7	30.0	61.7	48.3	51.7	58.3	41.7	58.3	41.7	66.7	33.3	90.0	10.0
STARLITE	10	81.7	25	70.0	38.3	56.7	43.3	56.7	58.3	41.7	60.0	40.0	65.0	35.0	78.3	21.7
WINTERPLAY	10	87.7	25	76.7	28.3	56.7	46.7	53.3	55.0	45.0	60.0	40.0	66.7	33.0	81.7	18.3
RAM-100	10	81.7	25	73.3	35.0	55.0	50.0	50.0	55.0	45.0	56.7	43.3	61.7	38.3	83.3	16.7
COLT	10	60.0	25	56.7	36.7	41.7	58.3	40.0	58.3	40.0	68.3	31.7	75.0	25.0	88.3	11.7
LSD VALUE	0	19.3	0	17.2	27.1	17.2	20.1	20.9	28.8	30.3	23.1	23.9	18.2	16.0	16.3	16.3
C.V. (%)	0	10.0	0	10.2	22.8	12.4	17.2	13.8	11.7	18.0	9.4	16.5	8.3	18.9	6.0	44.1

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT OVERSEEDING		GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	WEEDS RATINGS	FALL QUALITY IN 2004			WINTER QUALITY	
	GRASSES ESTABLISHED	EARLY						11/24	12/7	12/22	1/5/05	2/4/05
COVET	68.3		6.7	5.7	5.7	7.7	6.0	6.3	6.7	5.3	5.7	5.3
LEAGUE MASTER	68.3		6.7	4.7	4.7	8.3	6.7	6.7	6.3	4.3	4.3	4.7
OSC110	48.3		6.7	4.7	5.3	8.0	6.7	6.3	6.0	4.3	4.7	4.7
BMX 020383	68.3		7.7	5.7	5.3	7.3	7.0	6.7	6.7	5.3	5.7	5.3
CRR	70.0		6.0	4.7	5.0	8.3	6.7	6.7	6.3	4.7	5.0	4.7
OSC116	56.7		7.0	4.7	4.7	8.3	6.0	6.7	6.7	4.3	4.7	4.3
TOP HAT	80.0		5.0	4.3	5.7	8.0	6.7	7.0	6.3	4.7	4.7	4.7
CHAMPION GQ	66.7		7.3	4.3	4.7	7.7	6.3	6.7	6.0	4.3	4.7	4.3
MAGNUM GOLD	75.0		6.3	4.3	4.7	8.0	6.7	6.7	6.0	4.3	4.7	4.3
FLASH II	71.7		7.3	4.0	5.0	7.7	6.7	6.3	6.3	4.3	4.3	4.0
MTV-124	45.0		8.7	4.0	4.7	8.0	6.0	6.3	5.3	4.0	4.0	4.0
STP	60.0		6.3	4.0	4.3	8.3	6.0	6.7	6.0	4.3	4.3	4.0
IS-IR3	65.0		6.3	4.0	5.0	7.7	7.0	6.3	6.3	4.3	4.3	4.0
OSC108	41.7		6.3	4.0	4.3	8.3	6.7	6.3	5.7	4.0	4.0	4.0
OVERSEEDING EAGLE BLEND	53.3		6.7	4.3	5.0	7.7	7.0	6.3	6.0	4.7	4.0	4.3
ALS2	55.0		6.7	4.0	4.3	8.0	7.3	6.3	5.7	4.0	4.0	4.0
FUTURA 2500	56.7		7.0	4.0	4.7	7.7	6.3	6.7	5.7	4.3	4.3	4.0
IS-OS	63.3		6.7	4.0	4.3	7.3	7.0	6.3	6.0	4.3	4.3	4.0
OS	33.3		6.7	3.7	4.3	8.0	6.3	6.0	5.0	3.7	4.0	3.7
PLAYMATE	48.3		8.3	4.3	4.0	7.7	7.0	6.0	5.7	4.3	4.0	4.3
PROSELECT	65.0		6.0	4.0	4.3	7.3	7.0	6.3	6.3	4.7	4.3	4.0
PRS2	65.0		7.0	4.3	4.3	8.3	7.0	6.3	6.0	4.7	4.7	4.3
PR 17	58.3		7.7	4.0	4.3	8.0	5.7	6.3	5.7	4.0	4.3	4.0
CHARGER	40.0		5.3	3.7	4.7	7.3	7.3	6.3	5.3	4.3	3.7	3.7
MARVELGREEN SUPREME	56.7		7.3	3.7	3.7	8.0	6.7	6.3	5.7	4.0	4.0	3.7
RAD-OS3	66.7		5.3	3.7	4.7	6.7	6.7	6.7	5.7	4.0	4.0	4.0
PICK SD	30.0		9.0	3.3	3.7	8.0	6.7	6.3	5.3	4.3	4.3	3.3
STARLITE	28.3		4.0	3.3	4.0	8.3	5.7	5.7	5.0	3.0	3.0	3.3
WINTERPLAY	33.3		3.7	3.3	4.7	8.0	6.0	6.3	5.7	3.3	3.3	3.3
RAM-100	28.3		4.7	3.3	4.3	8.3	6.0	6.0	4.7	2.7	3.0	3.0
COLT	10.0		3.3	1.7	3.3	7.3	4.0	6.0	5.3	1.7	1.7	2.0
LSD VALUE	25.3		1.0	1.4	1.6	1.0	1.6	1.3	1.4	1.2	1.5	1.4
C.V. (%)	27.4		10.7	18.2	15.3	6.1	12.0	6.7	11.0	16.0	18.7	18.1

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
 2004-05 DATA

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

NAME	QUALITY RATINGS IN SPRING/SUMMER TRANSITION PERIOD IN 2005										QUALITY MEAN
	3/10	3/22	3/28	4/4	4/19	5/5	5/19	6/6	6/20	7/7	
COVET	5.7	5.7	6.0	5.0	5.3	5.3	6.3	6.3	6.7	6.3	5.9
LEAGUE MASTER	5.7	5.7	5.3	5.3	5.7	6.0	7.0	7.0	7.0	7.0	5.9
OSC110	5.7	5.7	6.0	5.3	6.0	6.0	7.0	7.0	7.0	6.7	5.9
BMX 020383	5.3	5.3	5.3	5.0	5.7	5.7	6.7	6.3	6.0	6.0	5.8
CRR	5.0	5.3	5.3	5.3	5.3	5.7	6.0	6.3	7.0	6.7	5.7
OSC116	5.7	5.7	5.3	4.7	5.7	6.0	6.7	6.3	6.3	6.0	5.7
TOP HAT	5.0	5.3	5.3	5.3	5.3	5.0	5.7	6.3	6.3	6.3	5.6
CHAMPION GQ	4.7	5.0	5.0	5.3	6.0	5.7	6.0	6.0	6.3	6.0	5.5
MAGNUM GOLD	5.0	5.3	5.0	5.0	5.3	5.3	6.3	6.3	6.3	6.3	5.5
FLASH II	4.7	5.0	5.0	4.7	5.0	5.3	6.0	6.0	6.7	6.7	5.4
MTV-124	4.3	4.7	4.7	5.0	5.7	5.3	6.3	6.3	6.7	6.7	5.3
STP	4.3	4.7	4.3	4.7	5.0	5.7	6.0	6.3	6.3	6.3	5.3
IS-IR3	5.0	5.0	5.3	5.3	4.3	4.3	5.3	5.7	5.7	6.7	5.2
OSC108	4.7	4.7	4.3	5.0	4.7	5.0	5.7	6.3	6.7	6.7	5.2
OVERSEEDING EAGLE BLEND	4.3	4.7	5.3	4.7	5.0	5.0	5.7	6.0	6.3	6.3	5.2
ALS2	4.3	4.7	4.3	4.7	4.7	5.0	5.7	6.3	6.3	6.0	5.1
FUTURA 2500	4.7	4.7	4.7	4.7	4.3	5.0	5.0	5.7	6.3	6.7	5.1
IS-OS	5.0	5.0	4.3	5.0	4.3	4.7	5.3	6.0	6.0	6.3	5.1
OS	4.3	4.7	4.3	5.0	5.3	5.3	6.3	6.3	6.3	6.7	5.1
PLAYMATE	4.3	4.7	4.3	4.7	5.0	5.3	5.7	6.0	6.0	6.3	5.1
PROSELECT	4.3	4.7	4.3	4.3	4.7	4.7	5.7	6.0	6.3	6.3	5.1
PRS2	4.7	4.7	4.7	4.3	4.3	4.7	5.7	6.0	6.0	6.0	5.1
PR 17	4.7	4.7	4.7	5.0	4.7	4.7	5.3	5.3	5.7	6.0	5.0
CHARGER	4.3	4.3	3.7	5.0	4.3	4.3	5.0	6.0	6.0	6.7	4.9
MARVELGREEN SUPREME	4.0	4.0	3.7	4.3	4.3	5.0	5.3	5.7	6.3	6.3	4.8
RAD-OS3	4.0	4.3	4.7	4.3	4.0	4.3	4.3	5.3	4.7	6.0	4.7
PICK SD	3.7	3.3	3.7	3.7	3.7	4.0	4.3	4.7	5.3	6.0	4.4
STARLITE	3.3	4.0	4.0	4.0	3.7	3.7	4.3	5.0	4.0	4.0	4.0
WINTERPLAY	3.3	3.3	4.3	3.3	3.3	3.7	4.0	4.0	4.3	4.3	4.0
RAM-100	3.3	3.3	4.0	4.0	3.3	3.3	3.7	3.7	3.3	4.3	3.7
COLT	2.7	2.7	3.0	3.0	2.7	3.0	3.3	3.7	4.0	5.3	3.3
LSD VALUE	1.5	1.4	1.5	1.0	1.0	1.0	1.1	0.8	0.9	1.2	0.6
C.V. (%)	17.7	16.5	16.6	12.1	13.4	12.8	12.4	8.9	10.0	11.0	7.7

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 8A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT LAS CRUCES, NM (NEW MEXICO STATE UNIV. G.C. COURSE)

SEEDBED PREPARATION

Verticutted in 2 directions and clippings were blown
Scalped with mowing @ 9 mm.

MOWING

Initial height 15 mm.
mowing height during test 12 mm.
Frequency 4 per wk
Type of mower Reel mower, 5 gangs

FERTILIZATION

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.
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.
Mid June	20-4-8	1.2 lbs. N x 1000 sq.ft.
Mid July	20-4-8	1.2 lbs. N x 1000 sq.ft.

FUNGICIDES

CULTIVATION

Aerification - dates No
Aerification - type No
Verticutting No
Dates of topdressing No
Other cultural practices Preemergent and insecticide in spring,

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

HERBICIDES

Date(s)	Product	Rate (oz./M)
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

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

Date(s)	Product	Rate (oz./M)
Early March	Merit	6.4 oz x ac.
Early June	Merit	6.4 oz x ac.

OTHER PRODUCTS

NOTES/COMMENTS

At the beginning of the test, skunk damage was prevalent and it was assessed.

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

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL 2004						WINTER
	BERMUDA GRASS		OVERSEED GRASS		BERMUDA GRASS		LIVING COVER
	11/15	11/15	12/2	12/2	12/21	12/21	OVERSEED GRASS
PROSELECT	43.3	53.3	25.0	73.3	18.3	81.7	88.3
STP	43.3	56.7	23.3	76.7	31.7	68.3	78.3
FUTURA 2500	46.7	50.0	25.0	73.3	21.7	78.3	85.0
ALS2	45.0	50.0	24.3	73.3	33.3	66.7	76.7
CHARGER	33.3	53.3	13.3	80.0	20.0	80.0	83.3
IS-OS	46.7	53.3	26.7	73.3	23.3	76.7	83.3
LEAGUE MASTER	36.7	53.3	23.3	73.3	28.3	71.7	81.7
MTV-124	26.7	56.7	15.0	80.0	23.3	76.7	86.7
OSC116	36.7	50.0	23.3	70.0	21.7	78.3	85.0
PLAYMATE	30.0	63.3	26.7	70.0	26.7	73.3	83.3
COVET	26.7	60.0	20.0	76.7	28.3	71.7	81.7
OVERSEEDING EAGLE BLEND	43.3	56.7	23.3	76.7	20.0	80.0	86.7
OSC108	28.3	60.0	18.3	76.7	23.3	76.7	86.7
OSC110	50.0	50.0	30.0	70.0	31.7	68.3	78.3
PRS2	53.3	46.7	40.0	60.0	36.7	63.3	73.3
TOP HAT	36.7	53.3	25.0	70.0	16.7	83.3	90.0
BMX 020383	30.0	53.3	14.3	76.7	23.3	76.7	83.3
CHAMPION GQ	51.7	43.3	36.7	60.0	33.3	66.7	76.7
MARVELGREEN SUPREME	55.0	30.0	48.3	43.3	28.3	71.7	81.7
PR 17	56.7	40.0	45.0	53.3	33.3	66.7	76.7
RAM-100	63.3	36.7	53.3	46.7	40.0	60.0	70.0
MAGNUM GOLD	43.3	53.3	31.7	66.7	28.3	71.7	81.7
RAD-OS3	41.7	43.3	33.3	60.0	23.3	76.7	86.7
CRR	56.7	43.3	33.3	66.7	31.7	68.3	78.3
FLASH II	48.3	40.0	33.3	60.0	30.0	70.0	80.0
PICK SD	58.3	30.0	40.0	53.3	31.7	68.3	78.3
IS-IR3	63.3	36.7	43.3	56.7	30.0	70.0	80.0
OS	48.3	40.0	36.7	60.0	38.3	61.7	71.7
COLT	76.7	23.3	63.3	36.7	46.7	53.3	63.3
WINTERPLAY	61.7	33.3	53.3	43.3	46.7	53.3	63.3
STARLITE	73.3	16.7	66.7	26.7	60.0	40.0	50.0
LSD VALUE	55.4	37.1	28.4	27.5	22.7	22.7	22.3
C.V. (%)	42.3	33.3	45.4	22.8	36.8	15.8	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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

TABLE 8B. 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 LAS CRUCES, NM (NEW MEXICO STATE UNIVERSITY G.C. COURSE) 1/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005							
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	5/2	5/2	6/1	6/1	7/4	7/4	8/1	8/1
PROSELECT	21.7	60.0	30.0	56.7	63.3	13.3	78.3	3.0
STP	20.0	63.3	30.0	61.7	56.7	28.3	76.7	2.3
FUTURA 2500	23.3	63.3	33.3	58.3	63.3	23.3	90.0	4.3
ALS2	21.7	63.3	35.0	53.3	65.0	18.3	88.3	3.7
CHARGER	21.7	61.7	33.3	58.3	63.3	21.7	86.7	2.3
IS-0S	21.7	66.7	33.3	61.7	63.3	25.0	86.7	2.3
LEAGUE MASTER	23.3	63.3	35.0	56.7	65.0	18.3	88.3	3.0
MTV-124	18.3	63.3	35.0	48.3	65.0	6.7	80.0	3.7
OSC116	25.0	65.0	35.0	50.0	65.0	15.0	83.3	2.3
PLAYMATE	21.7	63.3	31.7	56.7	61.7	28.3	90.0	5.0
COVET	25.0	70.0	36.7	56.7	66.7	13.3	86.7	3.0
OVERSEEDING EAGLE BLEND	18.3	75.0	26.7	56.7	63.3	16.7	90.0	3.7
OSC108	16.7	76.7	35.0	45.0	65.0	11.7	88.3	3.0
OSC110	18.3	75.0	30.0	58.3	60.0	35.0	90.0	1.7
PRS2	21.7	63.3	30.0	61.7	60.0	26.7	88.3	4.3
TOP HAT	16.7	73.3	30.0	55.0	63.3	21.7	86.7	2.3
BMX 020383	23.3	60.0	33.3	55.0	63.3	23.3	90.0	3.0
CHAMPION GQ	20.0	63.3	31.7	63.3	61.7	25.0	78.3	5.0
MARVELGREEN SUPREME	21.7	65.0	31.7	55.0	65.0	16.7	85.0	1.0
PR 17	15.0	66.7	31.7	51.7	61.7	23.3	86.7	3.7
RAM-100	18.3	76.7	30.0	61.7	63.3	16.7	78.3	3.7
MAGNUM GOLD	18.3	65.0	30.0	61.7	63.3	21.7	80.0	3.0
RAD-OS3	16.7	65.0	25.0	60.0	61.7	23.3	88.3	1.0
CRR	20.0	65.0	31.7	60.0	61.7	26.7	88.3	4.3
FLASH II	15.0	70.0	31.7	55.0	61.7	31.7	86.7	2.3
PICK SD	16.7	70.0	31.7	53.3	58.3	18.3	81.7	3.0
IS-IR3	23.3	68.3	33.3	50.0	66.7	8.3	78.3	3.7
OS	23.3	61.7	31.7	53.3	65.0	11.7	80.0	3.0
COLT	18.3	70.0	28.3	53.3	58.3	26.7	75.0	3.0
WINTERPLAY	16.7	70.0	21.7	58.3	58.3	26.7	80.0	2.3
STARLITE	18.3	68.3	28.3	58.3	61.7	26.7	90.0	2.3
LSD VALUE	15.7	34.5	13.8	40.6	16.1	40.7	19.4	7.3
C.V. (%)	24.5	14.0	15.5	17.6	7.4	57.8	8.2	64.0

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT OVERSEEDING			WINTER DENSITY	LEAF SKUNK	FALL QUALITY IN 2004			WINTER QUALITY	SPRING/SUMMER QUALITY IN 2005					QUALITY MEAN	
	GRASSES EARLY ESTABLISHED	GENETIC COLOR	WINTER COLOR			SPRING	TEXTURE	DAMAGE		11/15	12/1	12/21	2/1505	2/25		3/1
PROSELECT	56.7	7.3	7.3	7.7	7.3	9.0	7.7	7.3	8.3	7.3	7.3	7.7	8.7	8.7	8.0	7.9
STP	60.0	6.3	6.3	7.0	7.0	7.7	7.0	7.3	7.3	7.7	7.7	7.0	8.0	8.3	7.0	7.5
FUTURA 2500	50.0	6.7	6.7	7.0	7.3	8.0	7.0	7.3	8.3	6.7	6.7	7.0	8.0	8.3	7.7	7.4
ALS2	30.0	7.3	7.3	7.3	7.7	7.3	7.0	7.0	7.7	7.0	7.0	7.0	8.0	8.3	7.0	7.3
CHARGER	40.0	6.7	6.7	7.3	7.0	8.3	7.0	7.3	7.3	6.7	7.0	7.0	7.7	8.3	7.7	7.3
IS-OS	33.3	7.3	7.3	7.0	7.3	7.3	7.0	7.0	7.7	6.3	6.3	7.0	7.7	8.3	8.0	7.3
LEAGUE MASTER	23.3	6.7	6.7	6.7	7.3	8.3	6.7	7.3	7.0	7.0	7.0	6.7	7.7	8.0	8.0	7.3
MTV-124	26.7	7.0	7.0	7.3	7.7	8.0	6.3	8.0	7.7	7.3	7.3	6.3	7.3	8.0	7.7	7.3
OSC116	40.0	7.3	7.3	7.3	7.3	9.0	7.0	6.7	7.7	6.7	6.7	7.0	8.0	8.0	7.7	7.3
PLAYMATE	33.3	7.0	7.0	7.0	7.3	9.0	7.0	7.0	8.0	6.7	6.7	7.0	8.0	7.7	8.0	7.3
COVET	43.3	7.0	7.0	7.7	7.7	9.0	7.0	6.7	7.3	7.0	7.0	7.0	7.7	7.7	7.7	7.2
OVERSEEDING EAGLE BLEND	40.0	7.0	7.0	7.3	7.0	7.7	6.7	6.7	7.7	6.3	6.3	6.7	7.7	8.0	8.0	7.1
OSC108	43.3	6.7	6.7	7.0	6.7	8.3	6.3	6.7	7.7	6.7	6.7	6.3	7.3	7.7	7.3	7.0
OSC110	50.0	6.7	6.7	7.0	7.7	8.3	6.7	6.7	7.0	6.3	6.3	6.7	7.7	8.0	7.3	7.0
PRS2	40.0	6.7	6.7	7.3	8.0	9.0	7.3	6.0	6.7	6.7	6.7	6.7	7.7	7.7	7.3	7.0
TOP HAT	23.3	6.3	6.3	7.3	6.7	6.7	6.3	7.0	7.7	6.7	6.7	6.3	7.0	7.7	8.0	7.0
BMX 020383	23.3	6.3	6.3	6.7	7.0	8.7	6.3	6.7	7.7	6.0	6.0	6.3	7.3	7.7	7.7	6.9
CHAMPION GQ	16.7	6.7	6.7	6.7	7.3	8.7	6.7	6.3	7.0	6.3	6.3	6.7	7.7	8.0	7.0	6.9
MARVELGREEN SUPREME	30.0	7.0	7.0	7.0	7.0	7.0	6.0	6.7	7.3	6.7	6.7	6.0	6.7	7.0	7.7	6.7
PR 17	26.7	7.0	7.0	7.0	7.7	6.3	6.3	6.0	6.7	6.0	6.0	6.3	7.3	8.0	7.3	6.7
RAM-100	26.7	5.7	5.7	7.0	7.0	9.0	6.0	6.0	6.3	7.0	7.0	6.0	7.0	7.7	7.3	6.7
MAGNUM GOLD	20.0	6.7	6.7	7.0	7.7	8.3	6.3	6.3	7.3	6.0	6.0	6.3	7.3	7.0	7.0	6.6
RAD-OS3	40.0	6.0	6.0	7.0	7.3	7.3	5.7	6.0	7.0	6.3	6.3	6.0	6.7	6.7	7.7	6.5
CRR	20.0	6.3	6.3	7.0	7.0	4.7	6.0	6.7	6.7	5.7	5.7	6.0	6.7	7.3	6.7	6.4
FLASH II	33.3	6.3	6.3	7.0	7.3	9.0	6.0	6.0	6.3	5.7	5.7	6.0	7.0	8.0	6.7	6.4
PICK SD	16.7	6.7	6.7	7.0	7.3	8.0	5.3	6.3	7.7	6.0	6.0	5.7	6.0	6.7	7.7	6.4
IS-IR3	16.7	5.3	5.3	7.0	7.3	6.0	5.3	6.0	6.7	6.0	6.0	6.0	6.3	7.0	7.7	6.3
OS	23.3	6.0	6.0	7.0	6.7	8.3	5.3	6.0	6.3	5.3	5.3	5.3	6.0	6.3	6.7	5.9
COLT	10.0	5.0	5.0	7.0	7.7	8.7	4.7	4.3	6.0	5.3	5.3	4.7	5.7	6.7	6.0	5.4
WINTERPLAY	13.3	4.3	4.3	7.3	7.3	8.3	4.0	5.0	5.3	6.3	6.3	5.0	5.0	5.7	6.0	5.4
STARLITE	13.3	4.7	4.7	6.7	7.7	6.7	4.3	4.3	5.3	4.3	4.3	4.3	5.0	6.0	6.3	4.9
LSD VALUE	39.2	2.1	2.1	1.3	1.8	6.3	1.9	2.1	2.9	2.7	2.5	2.0	2.0	1.7	2.0	1.4
C.V. (%)	55.0	14.9	14.9	6.1	7.8	23.5	15.7	15.4	15.3	15.6	15.2	14.7	14.0	11.1	11.1	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 9A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT OKLAHOMA CITY, OK
(THE JOHN E. KIRKPATRICK FIVE-HOLE DEMONSTRATION GOLF COURSE)

SEEDBED PREPARATION		FERTILIZATION		
Verticut, 2 directions (60 degree angle) prior to overseeding		Date(s)	Product	Rate (lbs./M)
		5-Sep-04	16-28-12	1 lb K
MOWING		16-Sep-04	5-10-12	1 lb P
		11-Oct-04	46-0-0	0.5 lb N
Initial height	1/2 inch	15-Nov-04	46-0-0	0.5 lb N
mowing height during test	1/2 inch	22-Feb-05	46-0-0	0.75 lb N
Frequency	twice/week	23-Mar-05	32-3-8	1 lb N
Type of mower	reel mower: Jacobson LF 128 with grooved rollers	2-May-05	32-3-8	1 lb N
		3-Jun-05	30-3-9	1.5 lb N
		19-Jul-05	32-3-8	1 lb N
CULTIVATION		FUNGICIDES		
Aerification - dates	none		None	
Aerification - type		Date(s)	Product	Rate (oz./M)
Verticutting	once on 7/21/2005			
Dates of topdressing	none	None		
Other cultural practices	none			
		HERBICIDES		
			None	
MAINTENANCE PRACTICES TO ENHANCE SPRING		Date(s)	Product	Rate (oz./M)
		4-Aug-05	Revolver	8.8 oz wt/A
OTHER INFORMATION		INSECTICIDES		
Course closed for overseeding	no		None	
Landing area		Date(s)	Product	Rate (oz./M)
Divoting problem	no			
Cart allowed on Test area	no carts allowed			
Traffic patterns	none	None		
NOTES/COMMENTS		OTHER PRODUCTS		
		Date(s)	Product	Rate (oz./M)
		1-Jun-05	Primo Maxx	0.2 oz
		30-Jun-05	Primo Maxx	0.2 oz

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

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
 2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL (2004)						WINTER PERCENT COVER OF DORMANCY BERMUDA AND LIVING OVERSEEDING GRASSES							
	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
	10/13	10/13	10/28	10/28	11/19	11/19	12/14/04	12/14/04	1/19/05	1/19/05	2/16/05	2/16/05	3/17/05	3/17/05
BMX 020383	97.3	2.7	95.0	5.0	88.3	11.7	77.3	22.7	10.3	89.7	3.7	96.3	2.3	97.7
OSC110	96.7	3.3	93.0	7.0	87.3	12.7	75.7	24.3	9.3	90.7	3.7	96.3	2.3	97.7
STP	95.3	4.7	93.0	7.0	86.7	13.3	75.0	25.0	10.0	90.0	3.3	96.7	2.0	98.0
COVET	97.3	2.7	95.3	4.7	87.7	12.3	86.0	14.0	10.3	89.7	4.7	95.3	3.7	96.3
OSC108	96.7	3.3	95.3	4.7	86.7	13.3	70.0	30.0	11.0	89.0	3.3	96.7	2.7	97.3
PRS2	96.0	4.0	95.3	4.7	88.3	11.7	68.3	31.7	10.3	89.7	3.3	96.7	2.3	97.7
FUTURA 2500	95.3	4.7	93.7	6.3	90.7	9.3	82.3	17.7	11.3	88.7	5.7	94.3	4.3	95.7
MAGNUM GOLD	96.3	3.7	95.0	5.0	88.3	11.7	77.7	22.3	8.0	92.0	3.7	96.3	2.7	97.3
PICK SD	97.0	3.0	95.3	4.7	89.7	10.3	77.7	22.3	16.0	84.0	6.3	93.7	4.7	95.3
CRR	96.3	3.7	94.0	6.0	88.3	11.7	76.7	23.3	13.0	87.0	5.0	95.0	4.7	95.3
IS-OS	97.0	3.0	96.7	3.3	89.7	10.3	83.0	17.0	13.7	86.3	5.0	95.0	3.7	96.3
MARVELGREEN SUPREME	97.7	2.3	96.7	3.3	87.3	12.7	79.0	21.0	9.7	90.3	5.0	95.0	5.0	95.0
PLAYMATE	97.0	3.0	94.7	5.3	88.0	12.0	82.3	17.7	17.0	83.0	5.0	95.0	4.3	95.7
PR 17	96.7	3.3	95.0	5.0	88.7	11.3	82.3	17.7	10.7	89.3	6.0	94.0	5.3	94.7
LEAGUE MASTER	97.0	3.0	94.7	5.3	89.0	11.0	79.3	20.7	13.3	86.7	5.0	95.0	4.3	95.7
OS	97.3	2.7	96.7	3.3	90.0	10.0	83.3	16.7	17.0	83.0	6.0	94.0	4.3	95.7
OVERSEEDING EAGLE BLEND	96.0	4.0	94.7	5.3	89.3	10.7	87.7	12.3	12.3	87.7	6.7	93.3	4.7	95.3
PROSELECT	96.0	4.0	94.0	6.0	90.3	9.7	79.0	21.0	12.7	87.3	4.7	95.3	4.0	96.0
ALS2	95.7	4.3	95.0	5.0	90.0	10.0	87.0	13.0	14.7	85.3	6.3	93.7	4.7	95.3
CHAMPION GQ	97.0	3.0	95.7	4.3	92.0	8.0	88.0	12.0	18.0	82.0	4.7	95.3	4.0	96.0
FLASH II	97.0	3.0	95.0	5.0	90.0	10.0	88.7	11.3	13.3	86.7	7.0	93.0	5.7	94.3
MTV-124	95.7	4.3	95.3	4.7	91.0	9.0	83.7	16.3	15.7	84.3	6.7	93.3	6.7	93.3
OSC116	97.0	3.0	96.0	4.0	91.3	8.7	88.3	11.7	15.3	84.7	8.3	91.7	4.7	95.3
IS-IR3	96.3	3.7	95.0	5.0	90.0	10.0	83.3	16.7	11.7	88.3	8.3	91.7	3.7	96.3
TOP HAT	96.3	3.7	93.0	7.0	89.7	10.3	79.0	21.0	14.0	86.0	5.3	94.7	4.7	95.3
CHARGER	96.3	3.7	94.3	5.7	90.3	9.7	87.0	13.0	17.0	83.0	7.3	92.7	5.0	95.0
COLT	97.7	2.3	95.7	4.3	84.7	15.3	69.3	30.7	8.3	91.7	4.7	95.3	2.0	98.0
RAD-OS3	97.0	3.0	94.7	5.3	89.7	10.3	82.3	17.7	15.0	85.0	7.3	92.7	7.0	93.0
RAM-100	98.7	1.3	96.3	3.7	90.7	9.3	78.3	21.7	7.3	92.7	4.3	95.7	2.7	97.3
WINTERPLAY	98.7	1.3	97.0	3.0	91.0	9.0	83.3	16.7	15.7	84.3	5.0	95.0	5.0	95.0
STARLITE	98.0	2.0	97.0	3.0	88.0	12.0	80.7	19.3	14.3	85.7	8.0	92.0	7.0	93.0
LSD VALUE	2.0	2.0	2.8	2.8	12.5	12.5	33.4	33.4	15.4	15.4	12.3	12.3	6.6	6.6
C.V. (%)	1.0	30.6	1.4	27.1	3.7	30.0	12.1	50.7	38.4	5.6	57.3	3.3	52.5	2.3

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005											
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	4/13	4/13	5/9	5/9	6/6	6/6	6/28	6/28	7/13	7/13	7/27	7/27
BMX 020383	1.7	98.3	1.3	98.7	17.3	82.7	26.7	65.0	43.3	56.7	61.0	24.0
OSC110	1.3	98.7	2.3	97.7	15.7	84.3	25.0	75.0	35.0	65.0	61.0	37.3
STP	1.3	98.7	1.3	98.7	20.7	79.3	50.0	50.0	53.3	46.7	81.3	16.0
COVET	1.7	98.3	1.7	98.3	15.0	85.0	51.7	48.3	69.0	31.0	93.0	4.3
OSC108	1.7	98.3	1.3	98.7	20.7	79.3	40.0	60.0	45.0	55.0	68.0	31.3
PRS2	1.7	98.3	2.3	97.7	19.0	81.0	35.0	65.0	40.0	60.0	63.0	29.7
FUTURA 2500	2.3	97.7	2.0	98.0	22.3	77.7	50.0	49.3	75.0	25.0	90.7	6.0
MAGNUM GOLD	1.3	98.7	1.3	98.7	10.7	89.3	45.0	53.3	71.7	28.3	86.7	10.3
PICK SD	3.0	97.0	2.7	97.3	14.0	86.0	51.7	48.3	55.0	45.0	77.0	22.3
CRR	2.7	97.3	2.3	97.7	15.7	84.3	48.3	51.7	61.7	38.3	80.3	18.3
IS-OS	2.0	98.0	2.0	98.0	20.7	79.3	68.3	31.0	80.7	19.3	97.3	2.7
MARVELGREEN SUPREME	3.3	96.7	2.0	98.0	15.7	84.3	47.7	51.7	58.3	41.7	68.3	23.7
PLAYMATE	2.3	97.7	2.7	97.3	19.0	81.0	36.0	61.7	58.3	41.7	71.7	21.7
PR 17	2.0	98.0	1.3	98.7	17.3	82.7	47.0	51.7	71.7	28.3	86.7	9.7
LEAGUE MASTER	2.7	97.3	1.7	98.3	20.7	79.3	59.3	40.0	73.3	26.7	94.7	4.7
OS	3.0	97.0	2.7	97.3	14.0	86.0	56.7	43.3	76.7	23.3	92.3	7.3
OVERSEEDING EAGLE BLEND	2.7	97.3	2.0	98.0	17.0	83.0	52.3	46.7	67.3	32.7	69.3	13.0
PROSELECT	1.7	98.3	1.7	98.3	15.7	84.3	40.7	56.0	51.7	48.3	83.3	11.3
ALS2	3.7	96.3	2.7	97.3	14.0	86.0	40.7	58.3	67.0	33.0	76.3	15.3
CHAMPION GQ	1.3	98.7	2.3	97.7	20.7	79.3	52.7	46.0	63.3	36.7	86.0	9.7
FLASH II	1.7	98.3	2.3	97.7	22.0	78.0	61.0	38.3	77.3	22.7	90.0	4.7
MTV-124	3.7	96.3	2.7	97.3	15.7	84.3	45.7	53.3	68.3	31.7	80.7	16.0
OSC116	3.0	97.0	2.0	98.0	20.7	79.3	52.7	45.0	80.7	19.3	91.3	4.7
IS-IR3	2.0	98.0	1.3	98.7	22.3	77.7	50.7	48.3	56.7	43.3	64.0	24.3
TOP HAT	2.0	98.0	1.3	98.7	10.7	89.3	40.0	57.7	60.0	40.0	69.0	22.0
CHARGER	2.3	97.7	2.3	97.7	20.7	79.3	70.0	28.3	78.3	21.7	69.7	6.0
COLT	2.0	98.0	1.3	98.7	10.7	89.3	60.0	33.3	65.0	31.7	73.3	18.3
RAD-OS3	3.0	97.0	2.7	97.3	23.3	76.7	28.3	67.3	31.7	66.7	57.0	23.0
RAM-100	2.3	97.7	1.7	98.3	12.3	87.7	71.7	16.7	77.3	22.0	78.0	4.7
WINTERPLAY	2.3	97.7	1.3	98.7	15.7	84.3	60.0	30.0	79.0	19.3	80.0	6.3
STARLITE	6.7	93.3	2.3	97.7	10.7	89.3	53.3	35.0	60.0	40.0	68.3	11.0
LSD VALUE	1.8	1.8	2.8	2.8	19.4	19.4	43.1	36.5	54.3	53.6	95.6	78.2
C.V. (%)	42.9	1.1	44.3	0.9	36.9	7.6	34.3	33.7	32.0	54.5	31.1	133.1

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.

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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/
2004-05 DATA

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

NAME	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	FALL QUALITY (2004)				WINTER QUALITY				SPRING/SUMMER QUALITY IN 2005					QUALITY MEAN
					10/13	10/28	11/19	12/14 2004	1/19 2005	2/16 2005	3/17 2005	4/13	5/9	6/6	6/28	7/13	7/27	
BMX 020383	9.0	7.3	7.0	8.0	4.7	4.7	6.3	6.7	7.3	7.0	8.0	8.0	8.3	8.7	7.3	8.3	7.0	7.1
OSC110	8.3	7.3	7.0	8.0	3.7	3.7	5.7	6.3	7.3	7.3	8.0	8.0	8.3	9.0	8.7	8.3	7.7	7.1
STP	8.3	6.7	6.7	8.3	4.7	4.7	5.3	6.0	6.3	7.3	7.7	8.0	8.3	9.0	8.7	8.3	7.3	7.1
COVET	8.0	6.7	7.3	8.0	4.0	4.0	6.3	6.0	6.3	6.7	7.0	8.7	8.3	9.0	8.0	8.0	7.7	6.9
OSC108	8.3	7.3	7.0	8.0	4.0	4.0	5.7	5.7	7.3	7.0	7.3	7.3	8.3	9.0	8.0	8.3	8.3	6.9
PRS2	7.7	6.7	6.7	8.0	3.7	4.0	6.3	6.3	6.7	7.3	7.7	7.7	8.0	9.0	8.7	8.3	6.7	6.9
FUTURA 2500	9.0	7.0	7.3	7.7	4.3	4.3	6.0	6.0	6.7	6.3	6.3	7.7	8.3	9.0	7.7	7.7	7.7	6.8
MAGNUM GOLD	8.7	7.0	7.3	8.3	4.0	4.0	5.7	5.7	7.0	6.7	7.3	7.7	8.7	9.0	8.3	7.3	7.3	6.8
PICK SD	9.0	7.3	6.3	8.0	4.0	4.7	6.0	6.0	6.7	7.0	7.3	7.7	8.0	8.7	7.3	7.0	7.7	6.8
CRR	8.3	6.7	6.7	8.3	4.0	4.0	5.3	5.3	6.3	6.7	6.3	6.7	8.0	9.0	8.3	8.0	8.7	6.7
IS-OS	7.7	6.7	6.0	7.7	3.7	4.0	5.3	5.3	5.7	6.7	7.0	7.7	8.0	9.0	8.3	8.3	8.7	6.7
MARVELGREEN SUPREME	8.7	7.3	7.0	8.0	3.7	4.0	5.7	5.7	7.0	7.0	6.7	7.0	8.0	9.0	7.3	8.3	7.3	6.7
PLAYMATE	9.0	7.3	6.3	8.0	4.0	4.3	5.7	5.7	6.3	6.3	6.7	7.3	8.0	8.7	8.0	8.3	7.3	6.7
PR 17	9.0	7.0	7.0	7.7	4.0	4.0	5.3	5.3	6.7	6.7	7.0	7.7	8.3	9.0	7.0	8.0	7.7	6.7
LEAGUE MASTER	8.0	7.3	6.7	8.0	4.0	4.0	6.0	5.7	6.3	6.3	6.3	6.7	8.3	9.0	7.7	7.3	8.3	6.6
OS	8.3	6.3	7.3	8.3	3.7	3.7	5.3	5.7	5.7	6.3	6.7	7.3	7.7	9.0	8.3	8.3	8.7	6.6
OVERSEEDING EAGLE BLEND	8.7	7.0	6.3	8.0	4.0	4.0	5.3	5.3	6.0	6.7	7.0	7.7	8.3	9.0	7.7	8.0	6.7	6.6
PROSELECT	8.0	6.3	7.3	8.0	4.3	4.3	5.3	5.7	6.7	6.3	7.0	8.0	8.3	9.0	7.0	7.7	6.7	6.6
ALS2	8.0	6.7	6.0	8.3	4.0	4.0	5.3	6.3	6.0	6.0	6.0	6.3	7.7	9.0	8.0	8.0	7.3	6.5
CHAMPION GQ	8.3	7.0	7.7	8.0	3.7	4.0	5.3	5.3	6.0	6.0	6.7	8.0	8.0	8.7	7.3	8.0	7.3	6.5
FLASH II	8.3	6.7	7.0	8.0	4.0	4.0	4.3	4.7	6.3	6.0	6.0	7.3	8.3	9.0	7.3	8.3	7.7	6.4
MTV-124	8.7	6.7	7.0	7.7	4.0	4.0	5.3	5.3	6.3	6.3	6.3	7.3	8.0	9.0	6.3	7.0	7.3	6.4
OSC116	8.7	6.7	6.7	8.0	4.0	4.0	4.7	5.3	5.7	5.7	7.0	7.0	8.3	9.0	7.7	7.3	7.3	6.4
IS-IR3	7.3	5.7	6.0	7.3	4.0	4.0	5.3	5.3	5.7	5.7	7.3	6.7	7.7	8.0	7.3	7.3	5.7	6.2
TOP HAT	7.3	6.3	6.3	8.3	4.0	4.0	5.3	5.0	6.0	5.7	5.7	6.7	7.7	9.0	6.7	8.3	7.0	6.2
CHARGER	7.0	5.7	6.0	7.7	4.0	4.0	4.7	4.7	5.0	5.3	6.3	6.7	7.7	9.0	7.0	8.0	5.0	5.9
COLT	6.3	4.0	7.3	7.7	3.3	3.3	5.7	6.0	5.7	5.7	5.7	5.7	7.3	8.7	5.7	7.3	7.0	5.9
RAD-OS3	6.7	6.3	6.3	7.0	3.7	3.7	4.7	5.0	5.7	6.3	6.0	6.7	7.3	8.3	6.7	7.0	5.7	5.9
RAM-100	7.7	5.3	7.0	8.3	3.0	3.0	4.7	5.7	6.3	6.3	7.3	6.7	8.0	9.0	4.7	6.0	5.0	5.8
WINTERPLAY	7.0	3.7	6.7	7.7	3.0	3.0	5.0	5.3	5.3	5.0	5.0	6.3	7.3	9.0	4.3	8.3	4.0	5.5
STARLITE	7.3	4.7	6.0	8.3	3.0	3.0	5.0	5.7	5.3	5.0	5.0	4.7	7.7	9.0	4.0	7.3	4.3	5.3
LSD VALUE	1.2	1.0	2.8	1.6	0.6	0.5	2.0	2.7	1.9	1.9	1.7	1.9	1.3	0.7	1.7	1.8	2.8	0.6
C.V. (%)	8.3	9.5	12.5	6.5	9.4	7.8	13.9	14.7	12.9	13.1	12.8	13.0	6.3	3.4	14.1	9.9	19.9	6.0

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 10A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT MURRELLS INLET, SC (BLACKMOOR GOLF CLUB)

SEEDBED PREPARATION		FERTILIZATION		
Vertical Cut seven days prior. Seed moved to soil contact with drag		Date(s)	Product	Rate (lbs./M)
MOWING		11/5/04	20-10-20 90% SCU	1 lb N
		1/15/05	20-10-20 90% SCU	1 lb N
Initial height	Initial mowings (2) at 3/4"	3/12/05	19-9-19 95% SCU	1 lb N
mowing height during test	1/2"	5/4/05	19-9-19 95% SCU	1 lb N
Frequency	3 times/week - weather permitting			
Type of mower	Jacobson 3800 firway mover			
		FUNGICIDES		
CULTIVATION		Date(s)	Product	Rate (oz./M)
Aerification - dates	Deep slice (aeroway) - 5/10, 10/10	None		
Aerification - type				
Verticutting	None after establishment			
Dates of topdressing	None	HERBICIDES		
Other cultural practices		Date(s)	Product	Rate (oz./M)
		8/10/04	Barricade	0.5
MAINTENANCE PRACTICES TO ENHANCE SPRING		3/12/05	Team	2.5 lbs AI/A
		5/4/05	Ronstar	2.0 lbs AI/A
OTHER INFORMATION				
Course closed for overseeding	No	INSECTICIDES		
Landing area		Date(s)	Product	Rate (oz./M)
Divoting problem	All divots filled with sand weekly			
Cart allowed on Test area				
Traffic patterns	Yes - normal traffic	None		
NOTES/COMMENTS		OTHER PRODUCTS		
		Date(s)	Product	Rate (oz./M)

Primo was applied on October 1, 2004 prior to overseeding. No growth regulators following

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From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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 MURRELLS INLET, SC (BLACKMOOR GOLF CLUB) 1/
 2004-05 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER PERCENT COVER OF												
	PERCENT COVER OF LIVING OVERSEEDING GRASSES IN FALL (2004)			DORMANCY COVER OF LIVING GRASSES		PERCENT COVER OF BERMUDA OVERSEED GRASS		PERCENT COVER OF LIVING BERMUDA OVERSEED GRASS		GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2005)			
	11/2	11/30	12/14	1/6/05	1/6/05	3/10	3/10	5/27	5/27	6/10	6/24	6/24	7/22
MTV-124	15.7	33.3	70.0	11.7	83.3	1.7	90.0	23.3	53.3	36.7	70.0	11.0	99.0
RAD-OS3	31.7	46.7	66.7	10.0	80.0	0.0	96.0	18.3	53.3	30.0	83.3	11.7	99.0
BMX 020383	19.3	36.7	58.3	9.3	80.0	3.3	83.3	23.3	63.3	36.7	71.7	14.0	99.0
OSC108	24.0	58.3	70.0	13.3	78.3	1.7	86.7	31.7	53.3	46.7	70.0	9.3	99.0
MAGNUM GOLD	33.3	46.7	60.0	20.0	68.3	2.7	91.7	26.7	51.7	41.7	71.7	10.0	99.0
OSC110	30.0	51.7	70.0	16.7	76.7	4.3	93.3	31.7	70.0	48.3	74.7	14.3	99.0
PICK SD	18.3	35.0	55.0	10.0	76.7	4.3	92.3	31.7	46.7	46.7	74.3	9.3	99.0
IS-IR3	22.3	40.0	63.3	21.7	68.3	3.7	86.7	28.3	53.3	46.7	76.0	10.7	99.0
PLAYMATE	30.0	51.7	58.3	10.7	78.3	11.7	83.3	26.7	61.7	40.0	68.3	13.0	96.3
STARLITE	44.3	66.7	75.0	6.0	83.3	0.0	99.0	10.7	58.3	23.3	55.0	17.7	86.7
CHAMPION GQ	30.7	50.0	70.0	20.0	73.3	5.3	80.0	33.3	45.0	46.7	71.7	8.7	99.0
FUTURA 2500	30.0	53.3	66.7	11.7	78.3	8.3	86.7	25.0	63.3	41.0	71.0	14.0	97.7
MARVELGREEN SUPREME	21.7	58.3	65.0	46.7	43.3	0.0	86.0	21.7	54.7	35.0	63.3	14.3	93.3
STP	23.3	48.3	65.0	10.7	73.3	2.7	93.3	25.0	45.0	35.0	71.0	8.3	99.0
PR 17	17.7	30.0	55.0	21.7	65.0	4.3	93.3	28.3	45.0	36.7	71.7	8.3	99.0
TOP HAT	28.3	46.7	61.7	20.0	73.3	4.3	90.0	23.3	63.3	38.3	71.7	12.3	99.0
COLT	45.0	61.7	71.7	8.3	76.7	0.0	96.3	14.0	75.0	23.3	55.0	18.3	81.7
RAM-100	36.0	50.0	71.7	8.3	75.0	0.0	99.0	10.7	76.7	23.3	60.0	16.7	85.0
CRR	33.3	40.0	58.3	20.0	61.7	8.3	86.7	30.0	43.3	41.7	71.0	8.3	99.0
PRS2	23.3	46.7	48.3	23.3	61.7	4.0	85.0	18.3	50.0	31.7	70.0	11.7	96.3
COVET	25.0	43.3	50.0	23.3	61.7	8.3	80.0	33.3	53.3	48.3	68.3	8.3	99.0
ALS2	20.0	40.0	46.7	23.3	59.7	4.3	85.0	33.3	56.7	45.0	73.3	14.0	99.0
FLASH II	30.0	60.0	65.0	20.0	71.7	8.3	90.0	38.3	45.0	50.0	72.7	9.3	97.7
IS-OS	27.0	36.7	50.0	23.3	61.7	8.3	82.3	28.3	45.0	43.3	73.3	9.3	99.0
WINTERPLAY	64.0	68.3	70.7	21.7	70.0	0.0	99.0	15.0	81.7	32.7	61.7	23.3	91.3
LEAGUE MASTER	22.3	45.0	53.3	20.0	61.7	11.7	85.0	28.3	61.7	41.7	66.7	14.0	97.7
OVERSEEDING EAGLE BLEND	23.3	38.3	48.3	15.0	68.3	5.0	83.3	30.0	55.0	45.0	71.7	14.3	99.0
OS	26.7	43.3	58.3	23.3	63.3	8.3	85.0	30.0	45.0	40.0	66.7	8.3	99.0
PROSELECT	30.0	48.3	56.7	71.7	16.7	0.7	89.0	30.0	61.7	41.7	73.3	11.7	97.7
OSC116	26.7	41.7	48.3	31.7	50.0	6.7	88.3	39.0	48.3	48.3	73.7	8.7	99.0
CHARGER	44.0	60.0	65.0	71.7	20.7	5.0	89.3	28.3	68.3	45.0	68.3	17.7	99.0
LSD VALUE	8.0	12.7	8.6	8.0	12.6	3.3	7.8	5.6	12.3	7.6	8.0	5.1	3.1
C.V. (%)	18.1	16.3	9.0	25.4	12.5	48.3	5.2	14.1	13.5	12.3	6.9	24.9	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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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 MURRELLS INLET, SC (BLACKMOOR GOLF CLUB) 1/
2004-05 DATA

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

NAME	GENETIC COLOR	WINTER COLOR	FALL QUALITY IN 2004		WINTER QUALITY 1/5/05	SPRING/SUMMER QUALITY RATINGS IN 2005		RATINGS IN 2005		QUALITY MEAN	
			11/30	12/14		3/10	4/6	5/27	6/10		6/24
MTV-124	8.0	8.0	5.7	6.3	6.7	8.0	8.0	7.3	6.3	6.0	6.8
RAD-OS3	5.0	5.3	6.0	6.7	6.7	7.7	6.3	7.7	6.3	7.0	6.8
BMX 020383	7.0	7.0	5.7	5.3	6.7	6.7	8.0	7.3	6.0	6.7	6.6
OSC108	8.0	8.0	6.7	6.3	7.0	7.7	7.3	6.7	5.0	6.0	6.6
MAGNUM GOLD	6.7	6.7	6.3	5.7	5.0	7.3	7.7	7.3	6.0	6.0	6.5
OSC110	7.0	6.7	6.0	6.0	6.3	6.7	7.7	6.7	6.0	6.3	6.5
PICK SD	8.0	7.7	4.7	6.3	6.3	7.7	8.0	6.7	5.3	6.3	6.5
IS-IR3	5.0	5.0	5.0	5.7	4.3	7.0	7.7	8.0	6.3	7.0	6.4
PLAYMATE	6.0	6.0	7.0	5.7	6.7	4.7	7.3	7.0	6.0	6.0	6.4
STARLITE	3.3	3.7	7.0	7.0	7.7	7.7	8.0	5.3	4.7	4.0	6.4
CHAMPION GQ	6.7	6.3	6.7	6.3	5.3	6.7	7.3	5.7	5.3	6.0	6.3
FUTURA 2500	5.3	5.7	5.7	6.3	5.7	4.7	7.7	7.0	6.0	6.3	6.3
MARVELGREEN SUPREME	7.0	7.0	5.7	5.7	4.7	7.3	7.7	7.0	6.0	5.7	6.3
STP	6.0	5.7	6.3	5.3	6.7	7.0	6.7	6.7	5.3	6.0	6.3
PR 17	7.7	7.0	4.3	5.0	5.3	7.7	7.7	7.0	6.0	6.0	6.2
TOP HAT	4.3	4.7	5.7	6.0	5.3	5.7	6.7	7.7	6.0	6.0	6.2
COLT	4.3	4.3	7.3	6.7	7.3	7.3	8.0	4.7	4.0	3.3	6.1
RAM-100	3.0	3.0	6.3	6.7	6.7	8.0	7.7	5.3	4.7	3.7	6.1
CRR	6.0	5.7	6.0	5.3	5.7	5.3	6.7	6.3	5.3	6.0	6.0
PRS2	7.0	6.7	5.3	5.7	4.7	6.3	6.3	7.0	6.3	5.7	6.0
COVET	6.7	6.0	5.7	5.0	5.0	5.3	6.7	7.0	5.3	6.0	5.9
ALS2	6.7	6.0	4.3	5.3	5.0	5.7	7.7	5.7	5.0	6.0	5.8
FLASH II	7.0	6.7	6.3	6.0	5.3	4.7	6.0	5.3	5.3	6.3	5.8
IS-OS	5.3	5.7	5.7	5.0	4.7	4.7	6.0	7.0	5.7	6.3	5.8
WINTERPLAY	3.3	3.0	5.7	6.0	5.0	7.7	7.3	5.3	5.0	3.3	5.8
LEAGUE MASTER	6.0	5.7	5.7	5.3	5.3	3.7	5.7	7.0	5.7	6.0	5.7
OVERSEEDING EAGLE BLEND	6.7	6.7	4.7	5.7	5.0	6.7	6.3	5.3	4.7	6.3	5.7
OS	6.3	6.7	6.3	5.3	5.0	4.7	5.3	5.7	5.0	5.7	5.6
PROSELECT	6.3	6.0	5.0	5.3	3.0	6.3	7.3	5.7	5.3	5.7	5.6
OSC116	7.0	6.3	5.7	4.7	4.3	6.0	5.7	5.3	5.0	6.0	5.5
CHARGER	5.3	5.3	4.7	5.7	2.7	5.7	5.0	4.7	4.7	5.7	5.1
LSV VALUE	0.6	0.7	1.1	1.3	1.3	0.8	0.9	0.8	1.0	0.6	0.4
C.V. (%)	6.6	7.7	11.1	11.2	14.6	8.7	8.3	8.1	10.2	6.9	4.2

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 11A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT BRYAN, TX (THE TRADITIONS CLUB AT TEXAS A&M)

SEEDBED PREPARATION

Double cut at .5" day of seeding

MOWING

Initial height .75"
 mowing height during test .5"
 Frequency 3 to 4 times per week
 Type of mower 5 gang fairway unit

FERTILIZATION

Date(s)	Product	Rate (lbs./M)
10/25/04	10-20-20	0.75
11/15/04	10-20-20	0.75
01/03/05	21-0-0	0.55
02/16/05	21-0-0	0.5
04/25/05	8-3-8	0.5
05/20/05	21-0-0	

CULTIVATION

Aerification - dates 4/28/05
 Aerification - type Slicer
 Verticutting 4/26/05
 Dates of topdressing
 Other cultural practices

FUNGICIDES

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

HERBICIDES

MAINTENANCE PRACTICES TO ENHANCE SPRING
 Cut the water back May 1

Date(s)	Product	Rate (oz./M)
01/13/05	Dimenson	
04/15/05	Dimenson	

OTHER INFORMATION

Course closed for overseeding
 Landing area yes
 Divoting problem no
 Cart allowed on Test area yes
 Traffic patterns no

INSECTICIDES

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

OTHER PRODUCTS

NOTES/COMMENTS

Use Iron as needed for color

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

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

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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 BRYAN, TX (THE TRADITIONS CLUB AT TEXAS A&M) 1/ 2004-05 DATA

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

NAME	WINTER PERCENT COVER OF DORMANCY				PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD (2005)											
	BERMUDA & LIVING OVERSEEDING GRASSES				BERMUDA OVERSEED											
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	12/8/04	12/8/04	2/8/05	2/8/05	4/6	4/6	4/29	4/29	5/13	5/13	5/27	5/27	6/15	6/15	7/5	7/5
ALS2	60.0	40.0	15.0	85.0	26.7	73.3	43.3	56.7	50.0	50.0	60.0	40.0	63.3	36.7	88.3	11.7
CHARGER	56.7	43.3	18.3	81.7	20.0	80.0	26.7	73.3	50.0	50.0	60.0	40.0	73.3	26.7	88.3	11.7
MARVELGREEN SUPREME	60.0	40.0	13.3	86.7	36.7	63.3	36.7	63.3	43.3	56.7	56.7	43.3	73.3	26.7	90.0	10.0
PROSELECT	60.0	40.0	15.0	85.0	30.0	70.0	40.0	60.0	36.7	63.3	56.7	43.3	70.0	30.0	83.3	16.7
CHAMPION GQ	53.3	46.7	11.7	88.3	33.3	66.7	40.0	60.0	63.3	36.7	63.3	36.7	66.7	33.3	90.0	10.0
FLASH II	60.0	40.0	23.3	76.7	36.7	63.3	33.3	66.7	53.3	46.7	70.0	30.0	70.0	30.0	93.3	6.7
IS-IR3	66.7	33.3	25.0	75.0	23.3	76.7	40.0	60.0	60.0	40.0	66.7	33.3	70.0	30.0	90.0	10.0
LEAGUE MASTER	70.0	30.0	21.7	78.3	36.7	63.3	40.0	60.0	53.3	46.7	63.3	36.7	70.0	30.0	86.7	13.3
MAGNUM GOLD	50.0	50.0	11.7	88.3	23.3	76.7	26.7	73.3	40.0	60.0	56.7	43.3	60.0	40.0	88.3	11.7
MTV-124	63.3	36.7	13.3	86.7	30.0	70.0	30.0	70.0	56.7	43.3	56.7	43.3	73.3	26.7	93.3	6.7
OSC116	53.3	46.7	16.7	83.3	20.0	80.0	20.0	80.0	36.7	63.3	53.3	46.7	50.0	50.0	91.3	8.3
PR 17	70.0	30.0	21.7	78.3	40.0	60.0	53.3	46.7	60.0	40.0	56.7	43.3	70.0	30.0	91.7	8.3
TOP HAT	56.7	43.3	20.0	80.0	23.3	76.7	23.3	76.7	40.0	60.0	66.7	33.3	63.3	36.7	86.7	13.3
OS	63.3	36.7	16.7	83.3	33.3	66.7	36.7	63.3	53.3	46.7	60.0	40.0	73.3	26.7	93.3	6.7
OSC108	53.3	46.7	21.7	78.3	30.0	70.0	26.7	73.3	60.0	40.0	63.3	36.7	63.3	26.7	85.0	15.0
STP	53.3	46.7	21.7	78.3	23.3	76.7	40.0	60.0	36.7	63.3	56.7	43.3	53.3	46.7	90.0	10.0
IS-OS	66.7	33.3	16.7	83.3	30.0	70.0	33.3	66.7	50.0	50.0	63.3	36.7	63.3	36.7	86.7	13.3
OVERSEEDING EAGLE BLEND	60.0	40.0	20.0	80.0	33.3	66.7	36.7	63.3	53.3	46.7	63.3	36.7	60.0	40.0	88.3	11.7
PLAYMATE	70.0	30.0	23.3	76.7	40.0	60.0	43.3	56.7	70.0	30.0	60.0	40.0	63.3	36.7	90.0	10.0
BMX 020383	61.7	38.3	26.7	73.3	30.0	70.0	30.0	70.0	60.0	40.0	50.0	50.0	70.0	30.0	90.0	10.0
COVET	60.0	40.0	15.0	85.0	30.0	70.0	33.3	66.7	36.7	63.3	56.7	43.3	56.7	43.3	93.3	6.7
CRR	73.3	26.7	23.3	76.7	38.3	61.7	43.3	56.7	70.0	30.0	60.0	40.0	73.3	26.7	91.7	8.3
OSC110	66.7	33.3	26.7	73.3	33.3	66.7	33.3	66.7	63.3	36.7	70.0	30.0	70.0	30.0	93.3	6.7
PRS2	73.3	26.7	25.0	75.0	26.7	73.3	40.0	60.0	50.0	50.0	66.7	33.3	66.7	33.3	91.3	8.3
RAD-OS3	68.3	31.7	18.3	81.7	16.7	83.3	43.3	56.7	60.0	40.0	63.3	36.7	66.7	33.3	90.0	10.0
FUTURA 2500	73.3	26.7	23.3	76.7	50.0	50.0	50.0	50.0	70.0	30.0	60.0	40.0	66.7	33.3	93.3	6.7
PICK SD	70.0	30.0	30.0	70.0	46.7	53.3	56.7	43.3	63.3	36.7	53.3	46.7	70.0	30.0	88.3	11.7
COLT	63.3	36.7	16.7	83.3	13.3	86.7	18.3	81.7	23.3	75.0	46.7	53.3	73.3	20.0	90.0	10.0
RAM-100	60.0	40.0	21.7	78.3	13.3	86.7	8.3	91.7	20.0	80.0	36.7	63.3	56.7	33.3	86.7	13.3
STARLITE	66.7	33.3	20.0	80.0	13.3	86.7	53.3	46.7	53.3	46.7	36.7	63.3	56.7	26.7	81.7	18.3
WINTERPLAY	53.3	46.7	15.0	85.0	10.0	90.0	8.3	90.0	20.0	80.0	40.0	60.0	43.3	43.3	80.0	10.0
LSD VALUE	31.7	31.7	29.4	29.4	12.0	12.0	21.7	21.8	22.5	22.4	13.7	13.7	22.4	42.8	15.1	17.6
C.V. (%)	17.2	28.6	43.5	10.6	25.9	10.4	33.9	18.3	25.8	25.9	13.6	18.7	15.1	37.3	5.9	50.1

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

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 BRYAN, TX (THE TRADITIONS CLUB AT TEXAS A&M) 1/
2004-05 DATA

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

NAME	PERCENT OVERSEEDING		FALL			QUALITY N		SPRING/SUMMER		TRANSITION PERIOD		IN 2005		QUALITY MEAN
	GRASSES EARLY ESTABLISHED	GENETIC COLOR	11/10/04	12/8/04	2/8/05	4/6	4/29	5/13	5/27	6/15	7/5			
ALS2	20.0	7.3	6.7	3.0	4.7	7.0	7.0	6.0	6.3	5.3	5.7	5.7	5.7	
CHARGER	33.3	5.3	7.0	2.7	5.0	6.7	7.0	6.7	6.7	4.7	4.7	5.7	5.7	
MARVELGREEN SUPREME	16.7	7.7	7.3	2.7	5.0	6.3	7.0	6.0	6.0	5.3	5.3	5.7	5.7	
PROSELECT	30.0	6.7	7.0	2.3	4.7	6.7	6.7	6.3	6.7	6.0	5.0	5.7	5.7	
CHAMPION GQ	30.0	7.7	7.0	2.7	5.3	6.7	7.3	6.0	6.0	4.7	5.0	5.6	5.6	
FLASH II	26.7	7.3	6.7	2.7	4.7	6.0	6.7	6.0	6.3	5.7	5.3	5.6	5.6	
IS-IR3	30.0	6.0	7.0	2.7	4.7	6.3	6.7	6.3	6.7	4.3	5.7	5.6	5.6	
LEAGUE MASTER	23.3	7.0	7.7	2.3	4.7	6.3	6.7	6.3	6.7	4.7	4.7	5.6	5.6	
MAGNUM GOLD	30.0	7.7	6.3	3.0	5.7	7.0	7.0	6.0	6.0	4.7	4.3	5.6	5.6	
MTV-124	20.0	8.0	7.0	2.3	5.3	6.7	7.0	5.7	6.0	4.7	5.7	5.6	5.6	
OSC116	26.7	8.0	6.7	3.3	5.7	7.7	7.3	6.3	6.0	3.0	4.7	5.6	5.6	
PR 17	20.0	8.0	7.0	3.0	4.7	6.3	7.3	6.0	6.0	4.7	5.0	5.6	5.6	
TOP HAT	33.3	6.0	6.7	2.3	5.3	6.7	6.7	6.3	6.3	4.7	5.3	5.6	5.6	
OS	20.0	7.7	6.3	2.3	5.0	6.3	6.3	6.0	6.3	4.7	6.3	5.5	5.5	
OSC108	26.7	7.7	7.0	3.0	4.7	6.3	7.7	6.7	6.0	3.7	4.3	5.5	5.5	
STP	26.7	7.0	7.0	3.3	5.0	7.0	7.0	6.0	6.0	3.3	4.7	5.5	5.5	
IS-OS	26.7	6.3	6.7	3.0	5.0	6.7	6.7	6.3	5.7	4.0	4.3	5.4	5.4	
OVERSEEDING EAGLE BLEND	23.3	6.7	6.7	2.3	5.0	7.0	6.7	6.0	6.3	3.7	5.0	5.4	5.4	
PLAYMATE	16.7	8.0	6.7	2.3	4.7	6.7	7.0	6.0	5.7	4.7	4.7	5.4	5.4	
BMX 020383	16.7	8.0	6.7	2.3	4.3	6.3	7.0	6.0	6.0	4.7	4.7	5.3	5.3	
COVET	23.3	7.3	6.7	2.7	5.7	5.7	5.7	6.3	6.0	3.7	5.0	5.3	5.3	
CRR	30.0	7.0	7.0	2.0	4.0	5.7	6.0	6.3	6.3	5.7	5.0	5.3	5.3	
OSC110	33.3	7.3	7.0	2.0	4.0	6.0	6.7	6.0	6.0	4.3	5.7	5.3	5.3	
PRS2	16.7	7.0	6.7	2.0	4.0	7.0	6.7	6.0	6.3	4.0	5.3	5.3	5.3	
RAD-OS3	30.0	5.3	6.3	2.0	5.0	6.7	6.0	6.3	5.7	4.3	5.3	5.3	5.3	
FUTURA 2500	23.3	7.7	6.7	2.0	4.7	5.7	5.7	6.0	6.0	4.3	5.0	5.1	5.1	
PICK SD	20.0	8.0	7.3	2.3	3.3	5.7	5.7	6.0	5.7	4.7	5.3	5.1	5.1	
COLT	13.3	4.0	6.0	2.7	4.3	6.3	6.7	6.3	3.7	4.0	5.3	5.0	5.0	
RAM-100	13.3	4.0	6.0	3.3	4.7	7.3	7.7	6.3	3.0	3.0	3.3	5.0	5.0	
STARLITE	10.0	4.0	6.0	3.0	4.3	7.3	6.0	5.3	5.0	3.3	4.0	4.9	4.9	
WINTERPLAY	13.3	4.0	6.0	3.0	4.7	6.7	7.3	6.0	3.0	3.0	3.7	4.8	4.8	
LSD VALUE	10.8	0.8	2.3	1.9	2.5	1.4	1.1	1.6	0.9	1.8	2.7	0.4	0.4	
C.V. (%)	26.6	8.4	10.4	25.0	17.5	9.8	8.8	7.6	9.9	20.6	19.2	4.4	4.4	

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 12A. 2004-05 MANAGEMENT - ON-SITE OVERSEEDING OF BERMUDAGRASS TEST AT ROANOKE, VA (ROANOKE COUNTRY CLUB)

Management information is not available for this site

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

TABLE 12B. 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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN FALL (2004)					
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	11/15	11/15	11/30	11/30	12/16	12/16
WINTERPLAY	22.0	70.0	0.7	94.3	0	90.0
TOP HAT	8.0	90.0	1.0	93.3	0	91.0
CHARGER	12.7	83.3	1.0	91.7	0	86.7
FLASH II	16.7	76.7	1.7	85.0	0	91.7
RAM-100	31.0	56.7	1.3	88.3	0	88.3
CRR	12.7	83.3	1.3	90.0	0	90.0
STARLITE	24.0	66.7	1.0	93.3	0	91.7
MTV-124	24.0	66.7	1.7	85.0	0	83.3
OSC116	26.0	63.3	2.0	83.3	0	85.0
RAD-OS3	22.0	70.0	1.7	85.0	0	85.0
STP	17.0	76.7	2.0	80.0	0	88.3
COVET	21.0	70.0	1.7	83.3	0	83.3
OSC108	29.0	60.0	1.3	88.3	0	83.3
ALS2	17.7	70.0	1.3	86.7	0	86.7
COLT	43.0	43.3	2.3	80.0	0	81.7
IS-IR3	24.0	66.7	1.7	85.0	0	81.7
BMX 020383	27.0	63.3	1.3	86.7	0	88.3
OSC110	22.0	70.0	2.3	78.3	0	78.3
PICK SD	39.0	46.7	1.7	85.0	0	88.3
PRS2	14.7	80.0	1.7	85.0	0	82.7
IS-OS	35.0	53.3	3.0	70.0	0	78.3
LEAGUE MASTER	43.0	43.3	2.3	76.7	0	73.3
MAGNUM GOLD	39.0	46.7	3.7	63.3	0	78.3
MARVELGREEN SUPREME	34.0	43.3	1.7	83.3	0	78.3
OS	27.0	63.3	1.7	83.3	0	80.0
OVERSEEDING EAGLE BLEND	40.0	46.7	2.7	75.0	0	80.0
PR 17	27.0	63.3	2.7	76.7	0	83.3
PROSELECT	29.0	60.0	1.7	83.3	0	80.0
CHAMPION GQ	42.0	43.3	2.0	81.7	0	79.3
FUTURA 2500	42.0	43.3	2.3	80.0	0	83.3
PLAYMATE	47.0	36.7	2.3	78.3	0	70.0
LSD VALUE	13.9	16.2	1.6	16.5	0	15.7
C.V. (%)	30.5	16.5	42.3	9.6	.	8.2

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

TABLE 12B. (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/
2004-05 DATA

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

NAME	PERCENT COVER OF LIVING GRASSES IN SPRING/SUMMER TRANSITION PERIOD IN 2005									
	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED	BERMUDA	OVERSEED
	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS	GRASS
	4/20	4/20	5/6	5/6	5/24	5/24	6/8	6/8	7/15	7/15
WINTERPLAY	10	75.0	10	75.0	20	73.3	42.3	42.3	41.7	48.3
TOP HAT	10	73.3	10	76.7	20	63.3	43.3	43.3	56.7	36.7
CHARGER	10	73.3	10	83.3	20	61.7	42.3	42.3	56.7	36.7
FLASH II	10	81.7	10	78.3	20	66.7	41.7	41.7	56.7	36.7
RAM-100	10	70.0	10	70.0	20	66.7	40.0	40.0	43.3	50.0
CRR	10	73.3	10	66.7	20	53.3	43.3	40.0	50.0	43.3
STARLITE	10	76.7	10	80.0	20	71.7	33.3	50.0	43.3	46.7
MTV-124	10	76.7	10	76.7	20	66.7	41.7	41.7	45.0	36.7
OSC116	10	75.0	10	78.3	20	51.7	27.3	44.0	40.0	56.7
RAD-OS3	10	71.7	10	81.7	20	66.7	38.3	38.3	48.3	35.0
STP	10	70.0	10	66.7	20	53.3	40.0	40.0	48.3	46.7
COVET	10	83.3	10	81.7	20	71.7	34.0	47.3	50.0	43.3
OSC108	10	76.7	10	81.7	20	43.3	31.7	48.3	50.0	43.3
ALS2	10	65.0	10	68.3	20	56.7	36.7	36.7	38.3	46.7
COLT	10	81.7	10	78.3	20	65.0	46.7	43.3	50.0	43.3
IS-IR3	10	75.0	10	81.7	20	60.0	40.7	50.7	58.0	35.0
BMX 020383	10	61.7	10	60.0	20	53.3	41.7	41.7	56.7	38.3
OSC110	10	78.3	10	78.3	20	66.7	47.3	45.7	41.7	51.7
PICK SD	10	70.0	10	66.7	20	60.0	36.7	36.7	51.7	33.3
PRS2	10	65.0	10	68.3	20	53.3	30.0	30.0	46.7	46.7
IS-OS	10	75.0	10	80.0	20	68.3	44.0	44.0	56.7	38.3
LEAGUE MASTER	10	71.7	10	76.7	20	60.0	46.7	43.3	51.7	45.0
MAGNUM GOLD	10	81.7	10	78.3	20	66.7	41.7	41.7	60.0	31.7
MARVELGREEN SUPREME	10	60.0	10	56.7	20	56.7	36.7	36.7	56.7	36.7
OS	10	73.3	10	71.7	20	66.7	40.0	40.0	56.7	35.0
OVERSEEDING EAGLE BLEND	10	60.0	10	60.0	20	50.0	30.0	30.0	53.3	38.3
PR 17	10	80.0	10	83.3	20	71.7	47.3	47.3	53.3	38.3
PROSELECT	10	65.0	10	58.3	20	53.3	28.3	28.3	46.7	46.7
CHAMPION GQ	10	63.3	10	63.3	20	56.7	36.7	36.7	50.0	36.7
FUTURA 2500	10	61.7	10	58.3	20	53.3	30.0	30.0	63.3	26.7
PLAYMATE	10	60.0	10	65.0	20	40.0	33.3	33.3	50.0	43.3
LSD VALUE	0	26.6	0	16.2	0	24.9	20.7	25.4	33.3	22.1
C.V. (%)	0	14.2	0	12.1	0	18.2	21.3	22.2	20.8	22.0

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.

From the 2004 On Site Overseeding Grasses test - 04-05 data report with permission from NTEP

TABLE 12B. (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/
2004-05 DATA

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

NAME	PERCENT OVERSEEDING													
	GRASSES EARLY ESTABLISHED	GENETIC COLOR	WINTER COLOR	DENSITY SPRING	LEAF TEXTURE	FALL 11/15	QUALITY 11/30	IN 12/16	SPRING/SUMMER 4/20	5/6	QUALITY 5/24	RATINGS 6/8	(2005) 7/15	QUALITY MEAN
WINTERPLAY	56.7	4.7	3.3	6.7	8.7	6.7	6.0	6.7	4.7	7.0	8.0	7.7	4.0	6.3
TOP HAT	90.0	6.3	3.7	7.7	9.0	7.3	5.7	6.3	4.0	7.0	7.0	7.3	5.0	6.2
CHARGER	90.0	6.7	3.3	6.7	8.7	6.3	5.0	6.0	4.0	7.0	7.7	7.7	5.0	6.1
FLASH II	86.7	7.7	5.0	5.7	8.0	7.0	5.0	6.7	4.0	5.7	7.7	7.0	5.3	6.0
RAM-100	61.7	5.3	3.7	6.7	9.0	6.7	4.7	6.0	4.3	6.7	7.7	7.7	4.0	6.0
CRR	86.7	8.0	4.0	7.3	8.7	7.0	4.7	6.3	4.0	6.3	7.0	7.0	5.0	5.9
STARLITE	56.7	5.0	3.3	6.3	8.7	6.0	5.3	6.3	4.3	6.3	7.3	8.0	3.7	5.9
MTV-124	76.7	8.3	6.7	6.3	8.0	7.3	5.0	5.3	3.7	5.3	6.3	7.3	6.3	5.8
OSC116	70.0	8.3	5.7	6.7	8.3	6.7	4.7	6.0	4.3	5.7	7.3	7.0	4.7	5.8
RAD-OS3	80.0	6.7	4.7	7.0	8.0	6.3	4.7	5.3	3.7	6.0	7.0	8.0	5.7	5.8
STP	86.7	8.0	4.7	7.0	8.7	7.0	5.3	6.0	4.0	5.3	6.3	7.0	5.0	5.8
COVET	76.7	7.0	5.3	6.7	8.3	7.0	4.3	5.3	4.0	5.3	7.0	7.7	4.7	5.7
OSC108	73.3	8.3	5.3	7.0	8.3	6.3	5.0	5.7	4.0	5.7	6.7	7.0	5.3	5.7
ALS2	83.3	8.3	5.3	7.0	8.0	6.7	5.0	5.7	3.7	5.0	6.3	7.0	5.3	5.6
COLT	63.3	3.7	3.0	6.3	8.7	6.0	4.0	5.3	4.7	6.3	6.3	8.0	4.3	5.6
IS-IR3	66.7	6.3	6.0	6.3	8.0	6.7	5.0	5.0	3.7	6.0	5.3	7.3	5.7	5.6
BMX 020383	65.0	8.7	6.7	6.0	8.0	6.3	5.3	6.0	3.7	5.0	6.7	6.7	4.3	5.5
OSC110	80.0	8.0	5.7	7.0	8.3	6.7	4.7	5.0	4.0	4.3	6.7	7.0	5.7	5.5
PICK SD	33.3	9.0	8.0	6.7	7.7	6.0	5.3	6.0	3.7	4.7	6.3	7.3	4.7	5.5
PRS2	73.3	8.3	5.0	7.0	8.0	6.7	4.7	5.0	3.3	5.7	6.7	7.0	5.3	5.5
IS-OS	78.3	7.3	6.3	6.3	8.0	6.7	4.0	5.0	3.3	5.3	6.3	7.0	4.7	5.3
LEAGUE MASTER	36.7	7.7	5.0	6.3	8.0	6.0	4.7	4.0	4.0	5.0	7.0	6.7	4.7	5.3
MAGNUM GOLD	73.3	8.0	6.0	6.3	8.0	6.3	4.3	4.7	3.3	4.7	7.0	7.0	5.0	5.3
MARVELGREEN SUPREME	53.3	8.7	6.7	6.0	8.0	5.7	4.3	5.0	3.3	4.7	7.0	7.0	5.3	5.3
OS	56.7	8.0	5.7	7.0	8.0	6.3	5.0	5.0	3.7	4.7	5.7	7.0	4.7	5.3
OVERSEEDING EAGLE BLEND	53.3	8.3	5.3	6.0	8.0	6.3	4.3	4.7	3.3	4.3	6.7	7.0	5.7	5.3
PR 17	63.3	8.0	5.7	5.7	8.3	6.3	4.3	5.3	3.3	4.3	7.0	7.0	4.7	5.3
PROSELECT	63.3	8.3	6.0	6.7	8.0	6.3	4.7	5.0	4.0	4.7	7.0	6.7	4.3	5.3
CHAMPION GQ	50.0	7.7	5.7	6.7	8.0	6.0	4.3	5.0	3.7	4.7	6.0	6.7	5.0	5.2
FUTURA 2500	53.3	8.3	6.3	6.7	8.0	6.0	4.3	5.0	3.3	4.3	5.7	6.7	4.3	5.0
PLAYMATE	36.7	9.0	8.3	6.0	8.0	6.0	4.7	4.0	3.3	4.3	5.7	7.0	4.3	4.9
LSD VALUE	23.1	1.0	1.5	2.2	0.7	1.5	2.0	1.5	0.9	1.8	2.4	0.9	2.4	0.7
C.V. (%)	20.4	8.6	17.5	11.2	4.4	9.1	14.8	14.2	12.0	17.3	13.7	6.4	18.2	6.9

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.