



SAN DIEGO 2019

CONNECT. **DISCOVER.** ELEVATE.



GCSAA EDUCATION CONFERENCE | TRADE SHOW | GCSAA GOLF CHAMPIONSHIPS

February 2-7 | San Diego Convention Center

PRESENTING PARTNERS



PARTICIPATING PARTNERS



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KIKUYUGRASS AT GUADALAJARA COUNTRY CLUB





GUADALAJARA COUNTRY CLUB

- GUADALAJARA, MEXICO: 1525 msnm=5000 ft
- PRIVATE 18 HOLES
- BUILT 1940'S: BERMUDA GRASS
- BENT-POA GREENS
- KIKUYUGRASS: TEES, FAIRWAYS, ROUGH

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KIKUYUGRASS MANAGEMENT

AREA	HOC	FOC DAYS/WEEK	MOWER
TEES	0.250"	4	WALK BEHIND
FAIRWAYS	0.400"	6	5 UNITS, 7" REEL, 10 BLADES
SURROUNDS	1.5"	2-2.5	3 UNITS, 7" REEL, 8 BLADE
ROUGH	1.5"	2-2.5	PULL BEHIND GANG MOWER, ROTARY MOWER

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ROUGH

GREAT LIE



VERY BAD LIE





CULTURAL PRACTICES					
	TEES		FAIRWAYS		ROUGH
AEREATION	APRIL AND JULY		APRIL		
VERTICAL CUT	DEEP-MARCH	LIGHT 1/MONTH	DEEP-MARCH	LIGHT 1/MONTH	
RAKE					ONCE PER YEAR

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AERATION





ROLLING



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VERTICAL CUT





LIGHT VERTICUT





RAKE





IRRIGATION AND NUTRITION					
	pH	EC	TDS	NO3- N	PO4-P
RECYCLED WATER QUALITY	7.2	1.12	717	35 mg/L	5 mg/L
	TOTAL DRY MONTHS	80% IRRIGATION	NITROGEN		
			kg N/100 m2	lb N/1000sqft	
ET	1000 mm	800 mm	2.8	5.74	
LIQUID APPLICATIONS	KG/HA	NITROGEN			
		KG N/100 M2	lb N/1000sqft		
UREA	10	0.046	0.094		
MAGNESIUM NITRATE	3.125	0.0034	0.007		
MANGANES SULFATE	6.25				
IRON SULFATE	6.25				
MODDUS (PRIMO)	0.5 LT/HA				
		0.0494	0.101		
ONCE/MONTH (12 PER YEAR)		0.5928	1.212		
TOTAL NITROGEN/YEAR		3.3928	6.952		



DISEASE AND INSECT CONTROL		
DISEASE	TIME OF THE YEAR	PRODUCTS USE
BROWN PATCH	OCTOBER-MARCH	AZOXYSTROBIN (HERITAGE)
Rhizoctonia		FLUTOLANIL PRO STAR)
		THIOPHANATE METHYL (CLEARY 3336)
KIKUYUGRASS DECLINE	JUNE -SEPTEMBER	AZOXYSTROBIN (HERITAGE)
Gaeumannomyces		PROPICONAZOL (BANNER MAX)
INSECTS		
WHITE GRUBS	JULY-OCTOBER	IMIDACLOPRID



SPECIAL PROBLEMS

SCALPING



DISEASE MANAGEMENT



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