

**FERTILIZER****TURF FERTILIZATION**

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**Formulations of Turf Fertilizers**

Nitrogen	No Phosphorous	High N, Low P Medium K	Similar P and K	Other
6-4-0	16-0-30	12-4- 8	12-12-12	8- 4- 4
21-0-0-24S	20-0-10	19-5- 9	14- 3- 3	8-22-16
30-0-0	20-0-16	20-3- 8	16- 8- 8	9- 6-18
31-0-0	28-0- 9	24-2- 9	20- 8- 8	10-15-30
32-0-0-30S	28-0-12	24-4-12	20-20-20	13-25-12
33-0-0	30-0-10	28-7-14	24- 3- 3	16-21- 3
38-0-0	33-0- 5	32-3-10		19-26- 3
41-0-0	33-0-10	34-3- 7		
45-0-0		34-5-10		
55-0-0				
66-0-0				

\* More than 100 formulations available in Indiana-1986

**Nitrogen Requirements**

Species	Growing Months	Nitrogen per seasons lbs/1000 sq. ft.	Variation in Management
<b>Cool season:</b>			
sheeps & hard fescue	4-8	0-3	low maintenance, roughs
red fescues	4-8	1-3	low maintenance to good care
bentgrasses	4-8	1-4	medium care, lawn, fairways
bentgrass, greens	5-12	2-10	clippings removed, forced growth
Kentucky bluegrasses	5-12	2-4	clippings remain, coastal area
<b>Warm season:</b>			
bermudagrass, greens	8-12	8-20	may rest over winter
bermudagrass, overseeded	10-12	12-20	nurtured all season
bermudagrass, fairways & tees	5-12	4-9	good management
common bermuda	7-12	2-8	most variable
zoysia	6-10	1-6	adequate cover
St. Augustine, bahia	10-12	2-8	warm area, lawns