



SAMPLE TURFGRASS SEED EVALUATION WORKSHEET

PRELIMINARY SELECTION: Quality Ratings

#1: Compile short list using quality ratings (Table 3) for the selected sites:

	New Jersey	Ohio	Maryland
1.	Midnight	Plantini	Midnight
2.	Barblue	Barmax	Glade
3.	Blacksburg	Ram-1	Cynthia
4.	Unique	Suffolk	Minstrel
5.	Preakness	Monopoly	Cardiff

#2: Enter rating values for each variety at each site (Table 1):

	New Jersey	Rate	Ohio	Rate	Maryland	Rate
Midnight	6.7		Plantini	7.8	Midnight	7.7
Barblue	6.5		Barmax	7.5	Glade	7.6
Blacksburg	6.4		Ram-1	7.3	Cynthia	7.5
Unique	6.3		Suffolk	7.3	Minstrel	7.5
Preakness	6.3		Monopoly	7.3	Cardiff	7.4
LSD	1.0		LSD	1.1	LSD	0.5

#3: Combine the short lists into one, in descending order of their ratings:

	Variety	Rating
	Plantini	7.8
	Glade	7.6
	Barmax	7.5
	Cynthia	7.5
	Minstrel	7.5
	Cardiff	7.4
	Ram-1	7.3
	Suffolk	7.3
	Monopoly	7.3
	Midnight	7.2*
	Barblue	6.5
	Blacksburg	6.4
	Unique	6.3
	Preakness	6.3
	LSD	0.9*

* average

REFINING SELECTIONS: Visual Characteristics

#4: Using Tables 4 through 7, list alphabetically and enter values:

Variety	Spring	Genetic *
Barblue	6.7	5.8
Barmax	2.7	5.0
Blacksburg	5.3	7.9
Cardiff	6.3	7.0
Cynthia	6.3	6.9
Glade	3.3	7.0
Midnight	3.3	8.2
Minstrel	6.0	7.7
Monopoly	4.0	5.0
Plantini	4.3	6.9
Preakness	5.7	7.0
Ram-1	5.0	7.2
Suffolk	4.7	5.5
Unique	4.0	7.2
LSD	1.2	0.8*

* average

#5: Combine the values, and list in descending order of average spring and genetic color ratings:

Variety	Color (average)
Minstrel	6.9
Cardiff	6.7
Blacksburg	6.6
Preakness	6.4
Barblue	6.3
Cynthia	6.1
Ram-1	6.1
Midnight	5.8
Unique	5.6
Plantini	5.6
Glade	5.2
Suffolk	5.1
Monopoly	4.5
Barmax	3.9
LSD	1.0*

* average

FIELD PERFORMANCE

#6: Using Tables 8-11, enter ratings for seedling vigor and summer density and list alphabetically:

Variety	Seedling	Summer Density
Barblue	7.0	5.7
Barmax	8.7	7.7
Blacksburg	3.7	5.0
Cardiff	7.0	6.0
Cynthia	7.7	7.0
Glade	7.7	6.7
Midnight	7.3	6.3
Minstrel	6.7	7.7
Monopoly	8.3	6.7
Plantini	8.3	7.7
Preakness	7.3	6.7
Ram-1	6.7	7.0
Suffolk	8.7	7.3
Unique	6.0	6.0
LSD Value	1.2	1.2

#7: List the same varieties by descending order of the average seedling vigor and summer density:

Variety	Seedling & Density*
Barmax	8.2
Plantini	8.0
Suffolk	8.0
Monopoly	7.5
Cynthia	7.4
Glade	7.2
Preakness	7.0
Ram-1	6.9
Midnight	6.8
Minstrel	6.7
Cardiff	6.5
Barblue	6.4
Unique	6.0
Blacksburg	4.4
LSD	1.2*

* average

DISEASE RESISTANCE

#8: Using Tables 3 and 4, list alphabetically and enter values:

Variety	Leaf Spot	Dollar Spot	Pythium
Barblue	5.3	5.0	5.0
Barmax	5.3	2.3	6.7
Blacksburg	8.3	2.0	6.3
Cardiff	6.3	5.3	5.0
Cynthia	6.3	7.0	6.0
Glade	3.0	7.7	5.0
Midnight	5.7	8.0	8.0
Minstrel	7.0	4.3	3.3
Monopoly	4.3	6.3	4.0
Plantini	4.7	4.0	5.3
Preakness	5.0	7.7	4.7
Ram-1	4.3	8.0	7.0
Suffolk	4.3	8.7	5.3
Unique	6.3	6.0	4.7
LSD	1.5	1.4	1.9

#9: Using the information in #8, calculate average ratings (by adding the three values for each variety and then dividing by three) and then list in descending order:

Variety	Disease Resistance *
Midnight	7.3
Ram-1	6.8
Cynthia	6.1
Suffolk	6.1
Preakness	5.8
Unique	5.7
Blacksburg	5.6
Cardiff	5.6
Glade	5.3
Barblue	5.1
Minstrel	4.9
Monopoly	4.9
Barmax	4.8
Plantini	4.7
LSD	1.6*

* average

CONCLUSIONS

#10: Enter averages for color (from #5), density (from #6) and disease resistance (from #9):

Variety	Color	Variety	Density	Variety	Disease
Minstrel	6.9	Barmax	8.2	Midnight	7.3
Cardiff	6.7	Plantini	8.0	Ram-1	6.8
Blacksburg	6.6	Suffolk	8.0	Cynthia	6.1
Preakness	6.3	Monopoly	7.5	Suffolk	6.1
Barblue	6.1	Cynthia	7.4	Preakness	5.8
Cynthia	6.1	Glade	7.2	Unique	5.7
Ram-1	5.8	Preakness	7.0	Blacksburg	5.6
Midnight	5.6	Ram-1	6.9	Cardiff	5.6
Unique	5.6	Midnight	6.8	Glade	5.3
Plantini	5.2	Minstrel	6.7	Barblue	5.1
Glade	5.1	Cardiff	6.5	Minstrel	4.9
Suffolk	4.5	Barblue	6.4	Monopoly	4.9
Monopoly	3.9	Unique	6.0	Barmax	4.8
Barmax	3.9	Blacksburg	4.4	Plantini	4.7
LSD	1.0	LSD	1.2	LSD	1.6

#11: Using the information in #10, average together values for color, density and disease resistance, and then list in descending order:

Variety	Rating*
Cynthia	6.6
Midnight	6.6
Ram-1	6.5
Suffolk	6.5
Blacksburg	6.3
Minstrel	6.2
Cardiff	6.0
Plantini	6.0
Glade	6.0
Barblue	5.9
Preakness	5.7
Unique	5.6
Monopoly	5.5
Barmax	4.5
LSD	1.3*

*average

#12: If color, density and disease resistance are not of equal value to you, weight the values to reflect your priorities; for example, if disease resistance is twice as important to you, double its value, and average the results. Then list in descending order:

Midnight	6.8
Ram-1	6.6
Cynthia	6.4
Preakness	6.2
Suffolk	6.2
Cardiff	6.1
Minstrel	5.9
Unique	5.8
Barblue	5.7
Plantini	5.7
Glade	5.7
Blacksburg	5.6
Barmax	5.4
Monopoly	5.3
LSD	1.4

OPTIONAL COMPARISON

#13: To see the difference between your initial selections and your final selections, list values from #3 and #11 in descending order:

First compiled list		Final compiled list	
Variety	Rating	Variety	Rating*
Plantini	7.8	Cynthia	6.6
Glade	7.6	Midnight	6.6
Barmax	7.5	Ram-1	6.5
Cynthia	7.5	Suffolk	6.5
Minstrel	7.5	Blacksburg	6.3
Cardiff	7.4	Minstrel	6.2
Ram-1	7.3	Cardiff	6.0
Suffolk	7.3	Plantini	6.0
Monopoly	7.3	Glade	6.0
Midnight	7.2*	Barblue	5.9
Barblue	6.5	Preakness	5.7
Blacksburg	6.4	Unique	5.6
Unique	6.3	Monopoly	5.5
Preakness	6.3	Barmax	4.5
LSD	0.9*	LSD	1.3*

* average