TURFGRASS ECONOMIC SURVEY – 2018

Sod Producer Version

OMB No. 0535-NEW Approval Expires: X/XX/20XX Project Code: XXX SurveyID:





United States Department of Agriculture

NATIONAL AGRICULTURAL STATISTICS SERVICE



USDA/NASS

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Please make corrections to name, address, and ZIP Code, if necessary.

The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: https://www.nass.usda.gov/confidentiality. Response is **voluntary**.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0535-0XXX. The time required to complete this information collection is estimated to average 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

INSTRUCTIONS:

- · Report for **all** land operated, including land rented from others, in New Jersey.
- · Report for all seasons (winter, spring, summer, and fall) during 2018.

A. Company information

1.	Where is your company located?
	Primary county: List any additional counties:
2.	How long has your company been in business? years
3.	What was your operation's total land area under the following categories in 2018? Total area acres Turf area acres
4.	Did you expand your turf operation in 2018?YesNo (if no, skip Question 5)
5.	How much turf area was increased under the following categories during 2018?For production in 2018
6.	Are you a member of a sod producers organization?New Jersey Cultivated Sod Assoc.YesTurfgrass Producers InternationalYesNo
7.	Please indicate whether membership in an organization has been helpful in your business. New Jersey Cultivated Sod Assoc. [] Very Helpful [] Helpful [] No Help Turfgrass Producers International [] Very Helpful [] Helpful [] No Help
B.	Turfgrass Specific
8.	Please indicate the percentage of each type of turfgrass you grow and sell? (select all that apply). % Kentucky Bluegrass % Perennial Ryegrass % Annual Bluegrass % Fine Fescue % Tall Fescue % Bentgrass % Zoysia
9.	How is your sod harvested? Dig-roll sod Digalletized sod Digath (specify)% big-roll sod% palletized sod
10.	What are the important sources of information for your turf-related problems? (Select all that apply).Rutgers Cooperative Extension Agent or SpecialistCook College Office of Continuing Professional EducationRutgers University (other)Private consultantCommercial Tech Rep.PeersIndustry magazinesProfessional OrganizationInternetTV/RadioBooksOther (specify)
C.	Clients
11.	Please indicate the percentage of sales (\$) to the following clients in 2018.

12.	b) Wholesale to other growers
13.	Based on your company's sales, which of your client groups have experienced the highest rate of growth in the past 5 years?
	Please rank the top three in descending order.
	Fastest growing client group
	2nd fastest growing client group
	3rd highest growing client group
D.	Sod-related Problems
14.	What do you consider to be difficult problems facing your industry? (Select all that apply under each category).
	a. Regulation □ Local noise ordinances □ Water restrictions
	Pesticide application (amount, type of chemical) Other (specify)
	b. Management
	Labor availability Immigration laws Employee training
	Health issues due to turf activity (i.e., poisoning, etc.)
	Other (specify)
	c. Turfgrass
	Soil related Diseases Insects
	Weeds Equipment Cost Erosion
	Water related Shade Traffic
	Other (specify)
15.	Which do you anticipate to be the major problems facing the sod industry 5 years from now? (Select all that apply under each
101	category).
	a. Regulation
	Local noise ordinances Water restrictions
	Pesticide application (amount, type of chemical) Other (specify)
	b. Management
	Labor availability Immigration laws Employee training
	Health issues due to turf activity (i.e., poisoning, etc.) Language barriers
	Other (specify) c. Turfgrass
	Soil related Diseases Insects
	Weeds Equipment Cost Erosion
	Water related Shade Traffic
	Other (specify)
Е.	Expenses
16.	Best Estimate of sod-growing expenses during the year 2018 (to the nearest \$1,000):

a) Seed \$ _____

b)	Equipment and Operation (include depreciation, exclude labor) Tractors	\$								
	Mowers									
	Irrigation equipment									
	Sweepers									
	Seeders									
	Harvester									
	Land Preparation Equipment (i.e., plows,disks,levelers)									
	Chemical application equipment (i.e., sprayers)									
	Other implements									
	Fuel, lube and electricity									
	Repairs and maintenance									
	Equipment rental									
b)	Chemicals									
	Weed control products									
	Insect control products									
	Disease control products									
	Plant-growth regulators									
	Bio-stimulants									
	Other	\$								
z)	Fertilizer and Soil Amendments									
	Fertilizer									
	Organic Fertilizer									
	Lime									
	Manure and compost	\$								
	Other	\$								
l)	Labor (salaries/wages, not taxes, not management)									
	Production wages/salaries(establishment, maintenance and harvesting									
	Transportation									
	Supervisory wages/salaries	\$								
	Clerical/sales wages/salaries	\$								
e)	Services purchased									
	Fertilizer application	\$								
	Lime application	\$								
	Pesticide application	\$								
	Sod harvesting	\$								
	Transport services	\$								
	Irrigation installation	\$								
	Other contract labor	\$								
)	Advertising cost	\$								
g)	Other direct expenses (Specify)									
		\$								
		······································								
1)	Total Sod-growing Expenses	\$								
-1	Tom Son Browing Takenses	····· · ·								

18. What was the estimated value of turf related buildings and land owned and used by this firm as of December 2018 (to the nearest \$1,000)?

17.

19.	What was the estimated value of turf related equipment owned and used by this firm as of December 2018 (to the nearest \$1,000)? (include tractors, mowers, sweepers, seeders, etc.) \$
20.	How many positions did this company have in 2018? employees
21.	What percentage of the your company's total workforce do the following categories represent? - Year round full-time % - Seasonal full-time % - Year round part-time % - Seasonal part-time %
22.	Please indicate the percentage of total hours devoted to turf-related activities by the following employees. - Year round full-time % - Seasonal full-time % - Year round part-time % - Seasonal part-time %
F.	Cultural Practices and Equipment
23.	What types of mower are primarily used by your company (select all that apply)? Tractor –drawn rotary Tractor-drawn reel Other (specify)
24.	What type of mower blade do you primarily use? Mulching Non-mulching
25.	What is the average interval between mowings during the growing season?days
26.	What type of equipment do you use to water the sod? Manual hand-move Center pivot Manual wheel-move Other (specify)
27.	What is the average interval between waterings without rain?days [] Don't know
28.	What is the typical length of time you water when irrigating?hours [] Don't know
29.	What are the sources of water used? (indicate percentage provided by each) % Municipal % Recycled % Wells % Surface water % Other (specify)
G.	Sales
30.	What was the total billing for sod for the year 2018 (to the nearest \$1,000)? \$
31.	What percentage of sod sales was sold out-of-state?%
32.	Please indicate your organization's methods of advertising used in 2018. (select all that apply). Newspaper Direct Mail Radio Television Signs Brochures Internet Other (specify)

H. Opinion

33.	Но	w do you feel the demand for so	od w	ill chang	e over the next 5 ye	ears?						
		Increasing		Constar	nt							
		Decreasing		Don't k	now							
34.	In	the past 5 years, were you affect	od b	water 1	ogulations during t	ha tima of dro	ual					
54.				-			ugi	11:				
		Yes		INO (SKI	p next question)							
35.	Please estimate the total loss of business in terms of decreased revenue during the drought (to the nearest \$1,000)?											
	\$											
	Do you believe turfgrass represents a healthy environment?											
36.	Do		a h	ealthy en								
		Yes			No			Don't know				
37.	Do	you believe pesticide residues c	n tr	ırf nresen	nt potential health ri	sks to turf use	rs?					
07.		Yes	,11 00		No			Don't know				
		105			110	I						
38.	Is i	t important to develop turfgrasse	es th	nat requir	e less pesticide inp	uts?						
		Yes			No	[Don't know				
39.	Is i	t important to develop turfgrasse	es th	nat use les	ss water?							
		Yes			No	[Don't know				
40.	Do you know what Integrated Pest Management (IPM) is?											
40.		Yes	Ivia		No							
	Ц	165		Ш	NO							
41.	Wł	nich of the following best fits yo	ur v	iew of w	hat IPM is?							
	[] []	No chemical use		🗌 F	Pesticide use as last	resort]	Least toxic chemical use				
		Best use of chemical, cultural,	bio	logical, a	nd genetic pest con	trol strategies						
40	De	IDM on mount on easting	n									
42.	_	you use IPM on your operation	:	_	Com atim on	,	-	NISSION				
		Always Not practical			Sometimes	l		Never				
		Not practical										
43.	Would you be interested in attending workshops sponsored by Rutgers University on proper establishment, maintenance,											
	harvesting and marketing of sod?											
		Yes			No							
44.	Do	you understand how Rutgers Co	റവ	arativo Fr	vtension (RCF) ser	vices can help	vo	20				
		Yes	Jopt		No		у0 П	Not familiar with RCE				
		100			110	l						
45.	Но	w do you perceive Rutgers Cooj	pera	tive Exte	ension?							
		Very helpful			Helpful	[Fair				
		Not helpful			Don't know							
46.	Ho	w do you perceive Cook College	□ ∩f	fice of C	ontinuing Professio	nal Education	2					
- 1 0,		Very helpful			Helpful			Fair				
		Not helpful			Don't know	ľ						

47. Please "grade" the Rutgers Turfgrass program in the following areas, using the appropriate number.

- 1 = Excellent2 = Good3 = Fair4 = Unsatisfactory5 = Don't know
 - Research
 Undergraduate Education

 Extension/Outreach
 Web-Page content
- 48.
 Would you grow/maintain a genetically modified turfgrass or ornamental plant if it were proved to be safe?

 [Yes
 [No
 [No

				OFF	ICE USE	ONLY						
Response		Respond	dent	Mode		Enum.	Eval.	Change	Office Use for POID			
1-Comp 2-R 3-Inac 4-Office Hold 5-R – Est 6-Inac – Est 7-Off Hold – Est	9901	1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth	9902	1-PASI (Mail) 2-PATI (Tel) 33-PAPI (Face- toFace) 6-Email 7-Fax 19-Other	9903	9998	9900 R. Unit 9921	9985	9989	 Optional Us 9908	e 9906	9916
S/E Name												