Table 2. Mean tile flow volume and nutrient loads (mg/plot) for rye (bolded) and control plots, Double Cropping Cereal Rye and Corn Silage Project, Northern NY, 2015-2016.

Date	Nitrate (mg-N)		SRP (mg-P)		TN (mg-N)		TP (mg-P)		TSS (mg)		Flow (L)	
	Cover	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control
3.28.16	**43**	51	**37**	24	**43,671**	62,239	**288**	33	**88,885**	16,898	**4,032**	4,021
4.7.16	**68**	199	**153**	142	**74,769**	220,380	**687**	501	**74,733**	695,781	**7,848**	12,648
4.11.16	**67**	105	**9**	7	**93,812**	148,062	**30**	7	**6,684**	8,805	**4,698**	4,702
6.4.16	**10**^{A}	42^{B}	**4**	8	**11,787**^{A}	54,021^{B}	**6**	7	**608**^{A}	1,628^{B}	**542**^{A}	2,065^{B}
8.14.16	**4**	3	**1**	1	**-**	-	**0**	1	**0**	0	**176**	148
8.28.16	**-**	-	**1**	10	**-**	-	**1**	11	**0**	6	**248**^{A}	1,261^{B}
10.20.16	**3,325**	1,447	**16,895**	4,577	**337,056**	67,810	**370,345**	95,946	**657,860**	184,469	**19,175**	6,755

Dashes indicate insufficient sample for analysis.
Different superscripts denote a difference between rye and control plots at $P \leq 0.05$.

Table 3. Mean nutrient concentrations (mg/L) in tile flow for rye (bolded) and control plots, Double Cropping Cereal Rye and Corn Silage Project, Northern NY, 2015-2016.

Date	Nitrate (mg-N/L)		SRP (mg-P/L)		TN (mg-N/L)		TP (mg-P/L)		TSS (mg/L)	
	Cover	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control
3.28.16	**0.01**	0.01	**0.01**^{A}	0.00^{B}	**12.4**	15.1	**0.04**	0.01	**16**^{A}	4^{B}
4.7.16	**0.01**	0.01	**0.01**	0.01	**12.0**	17.6	**0.10**	0.04	**9**	5
4.11.16	**0.01**^{A}	0.02^{B}	**0.00**	0.00	**24.3**^{A}	29.9^{B}	**0.00**	0.00	**2**	2
6.4.16	**0.01**	0.020	**0.01**	0.00	**18.1**	26.1^{B}	**0.02**	0.00	**1**	0
8.14.16	**0.01**	0.02	**0.00**	0.00	**-**	-	**0.00**	0.00	**0**	0
8.28.16	**-**	-	**0.00**	0.00	**-**	-	**0.00**	0.01	**0**	0
10.20.16	**21.4**	9.9	**0.1**	0.2	**21.4**	14.0	**0.53**	0.64	**677**	362

Dashes indicate insufficient sample for analysis.
Different superscripts denote a difference between rye and control plots at $P \leq 0.05$.

Table 4. Mean nutrient loadings (mg/plot) in surface runoff for rye (bolded) and control plots, Double Cropping Cereal Rye and Corn Silage Project, Northern NY, 2015-2016.

Date	Nitrate (mg-N)		SRP (mg-P)		TN (mg-N)		TP (mg-P)		TSS (mg)		Flow (L)	
	Cover	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control
4.7.16	**1**	4	**26**	92	**1053**	3209	**76**	82	**52,065**	193,913	**800**	2,206
6.4.16	**0**	2	**4**	121	**128**	2109	**7**	191	**913**	15,415	**45**	963
6.28.16	**1**	1	**56**	56	**1055**	1034	**-**	-	**36**^{A}	11^{B}	**300**	288
7.9.16	**1**	0	**24**	33	**431**	829	**-**	-	**7**	4	**235**	240
7.18.16	**0**	0	**11**	14	**181**	188	**-**	-	**2**	3	**66**	99
8.28.16	-	-	**47**	38	**-**	-	**97**^{A}	54^{B}	**14**	7	**635**	582
10.20.16	**387**	2,047	**772**	4,964	**3,183**	8,361	**7,021**	50,562	**39,768**	605,643	**1,227**	5,380

Dashes indicate insufficient sample for analysis.
Different superscripts denote a difference between rye and control plots at $P \leq 0.05$.

Table 5. Mean nutrient concentrations in surface runoff for rye (bolded) and control plots, Double Cropping Cereal Rye and Corn Silage Project, Northern NY, 2015-2016.

	Nitrate (mg-N/L)		SRP (mg-P/L)		TN (mg-N/L)		TP (mg-P/L)		TSS (mg/L)	
Date	**Cover**	Control	**Cover**	Control	**Cover**	Control	**Cover**	Control	Cover	Control
4.7.16	**0.00**	0.00	**0.03**^{A}	0.04^{B}	**1.37**	1.28	**0.11**^{A}	0.04^{B}	52.6^{A}	77.6^{B}
6.4.16	**0.00**	0.00	**0.04**	0.06	**1.43**	1.09	**0.08**	0.09	10.2	8.0
6.28.16	**0.00**	0.00	**0.17**	0.22	**3.93**	5.94	**-**	-	0.14	0.03
7.9.16	**0.00**	0.00	**0.11**	0.07	**1.83**	1.72	**-**	-	0.02	0.01
7.18.16	**0.00**	0.00	**0.15**^{A}	0.08^{B}	**2.77**	1.08	**-**	-	0.03	0.01
8.28.16	**-**	-	**0.13**	0.13	**-**	-	**0.19**	0.18	0.03	0.02
10.20.16	**3.06**	2.1	**0.3**	0.3	**5.3**	6.8	**0.5**	0.7	19.4	90.2

Dashes indicate insufficient sample for analysis.
Different superscripts denote a difference between rye and control plots at $P \leq 0.05$.