























## Management of common or soft rush, *Juncus effusus*.

- · Cool, wet climate
- Rhizome root system
- ~8,500 seeds/plant
- Seeds viable < 60 yrs.
- effusus means spreading
- Tolerate ph range 3 7





sac





















The Influer	ce of Soi	l pH on	Nutrien	it Availa	bility						
4.0 4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.
RANGE	OF ACIDI				RAN	IGE OF A	LKALINI	ТҮ			
				N	ITROGEN						
				РНС	SPHORU	S					
-				PC	TASSIUN	1					
-					SULFUR						
-				(	ALCIUM						-
				MA	GNESIU	Л					
					IRON						-
				MA	NGANES	E					
					BORON						
				COPF	PER & ZIN	IC					_
				MO	LYBDENU	M					



2011	рп						
		1		Lime application			Lime applicatio
			Soil pH -	(tonnes/ha) -	Soil pH -	pH Change	(tonnes/ha) -
Field ID	Field Name	Area (ha)	April 2013	July 2013	May 2016	(2013-2016)	August 2016
1	McLeans (improved)	1.09	5.0		4.9	-0.1	5.0
2	Shed Field	0.57	4.8		4.9	0.1	
3	Upper March Park	2.01	5.8		5.6	-0.2	5.0
4	Re-seed	3.78	5.8	5.0	6.1	0.3	
5	4 Acre	2.25	6.0		5.6	-0.4	5.0
6	Lower March Park	1.98*	5.9		5.5	-0.4	5.0
7	Graveyard Park North	1.12*	5.4		5.3	-0.1	
8	8 Acre	3.28	5.8	5.0	5.7	-0.1	5.0
9	Auchtertyre Big Meadow	4.13	5.2	5.0	5.9	0.7	2.5
10	Woodside Park	3.63	6.0		5.4	-0.6	5.0
11	Office Field	0.68	5.1	5.0	5.9	0.8	
12	Ford Field	3.10	5.9		6.1	0.2	
13	Bungalow Field	0.54	5.1	5.0	5.9	0.8	
14	Roadside Field	2.79	5.6	5.0	6.1	0.5	
15	Bog Myrtle Field	1.63	5.2	5.0	6.1	0.9	
16	Stone Park	0.68*	5.2		5.1	-0.1	
17	Trials Field	3.56	6.1		5.5	-0.6	5.0
18	Hump Field	2.85	5.2	5.0	5.7	0.5	
19	Kirkton Big Meadow	4.42	6.0		5.5	-0.5	5.0**
20	Down Fast	3.58	5.1	7.4	6.4	1.3	









FIELD NAME	YEAR	MANAGEMENT
Re-seed	2013	Opico grassland sub-soiler/sward-lifter used to relieve compaction (northern half of field only)
Down East	2013	<ul> <li>Rush control using an ATV mounted Logic weed-wiper - glyphosate applied in spring 2013 during a spell of dry, warm and calm weather; ground lime applied in 2013 at 7.4 tonnes/ha (soil pH increased from 5.1 in 2013 to 6.4 in 2016)</li> <li>Opico grassland sub-soiler/sward-lifter used to relieve compaction</li> <li>Continued rush-control using a tractor mounted topper</li> </ul>
Roadside Field	2014	Opico grassland sub-soiler/sward-lifter used to relieve compaction
Auchtertyre Big Meadow	2014	Opico grassland sub-soiler/sward-lifter used to relieve compaction
Gosdens	2015	<ul> <li>Rush-control using a tractor mounted topper (August 2015, October 2015 and May 2016).</li> <li>Prilled lime applied in August 2015 at 350kg/ha</li> </ul>

## Other Management - Sward Lifting & Rush Control

## **Rush Control**

- Good organic, free-draining soil with no compaction issues and a pH of 5.5
- Rushes topped for the first time in August 2015
- Prilled lime applied at 350kg/ha in August 2015
- Rushes topped again in October 2015, and May 2016

































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