

TURFGRASS: GOLF COURSE

NITROGEN CALCULATIONS

Quebec City, Quebec
Canada

Quebec City , Quebec

INPUTS

OUTPUTS

NITROGEN THRESHOLD

PLANT RESPONSE

Product List

Polyon 44-0-0 Regular

Fertilizer Analysis (%)

44

0

0

Particle Size

Regular

Polyon Grade

44

0

0

0

Polyon %

100

0

0

0

Nitrogen Application Rate

lbs N / 1000 ft²

1.25

Grass Type:

Cool Season

App Date

06/01/25

Acres to Treat

1

Temperature Correction

0 F

Quick Release (%): 0

Average release/week: 0.08

Product longevity (weeks): 16

Product spread rate:
123.71 (lbs/acre)
2.84 (lbs/1000 ft²)

Total tons needed: 0.06

of 50 lb bags needed: 2.48

lbs N / 1000 ft² / week

Cool Season Turfgrass

0.15

Excessive Growth

0.12

Maximum Growth

0.09

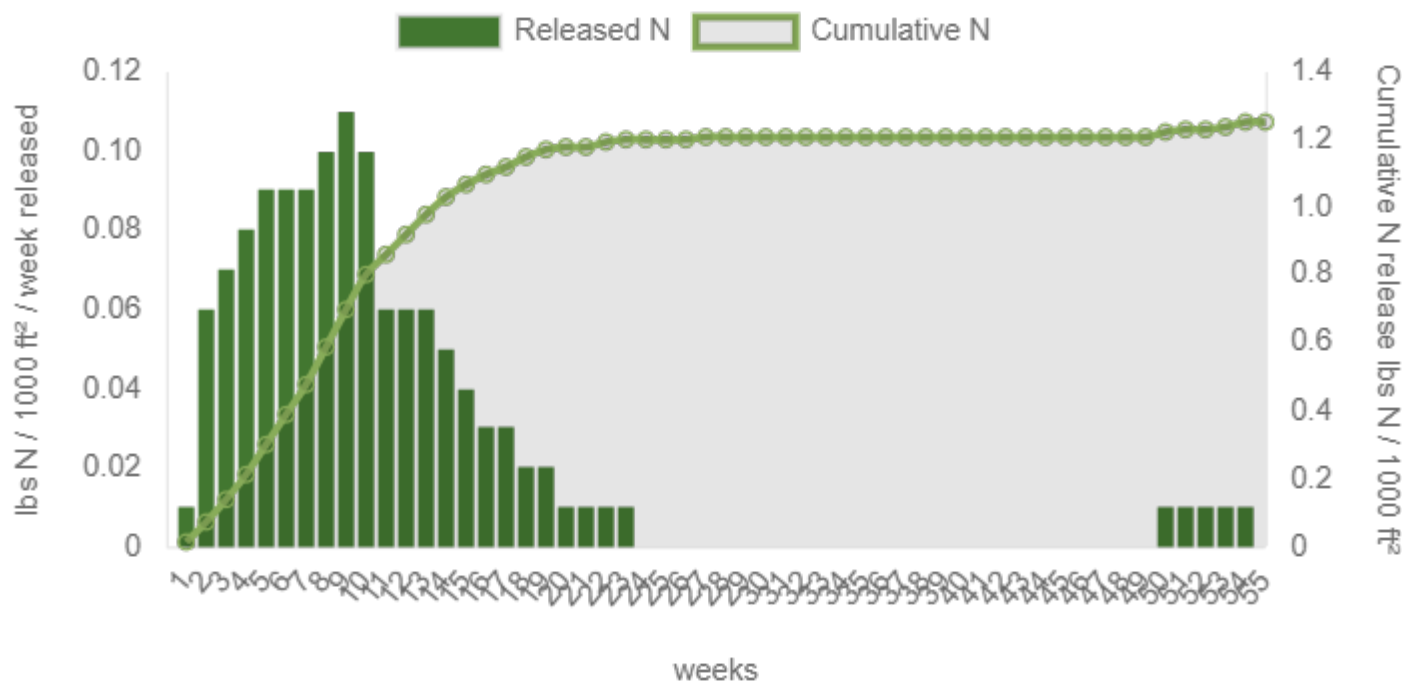
Optimal Growth

0.06

Greening Effect

0.04

Hold Color



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WEEKLY RELEASE RATES

Date	Week	Released N	Remaining N
06/01/2025	1	0.01	1.24
06/08/2025	2	0.06	1.18
06/15/2025	3	0.07	1.11
06/22/2025	4	0.08	1.04
06/29/2025	5	0.09	0.95
07/06/2025	6	0.09	0.86
07/13/2025	7	0.09	0.77
07/20/2025	8	0.10	0.66
07/27/2025	9	0.11	0.55
08/03/2025	10	0.10	0.45
08/10/2025	11	0.06	0.39
08/17/2025	12	0.06	0.33
08/24/2025	13	0.06	0.27
08/31/2025	14	0.05	0.22
09/07/2025	15	0.04	0.18
09/14/2025	16	0.03	0.15
09/21/2025	17	0.03	0.13
09/28/2025	18	0.02	0.10
10/05/2025	19	0.02	0.08
10/12/2025	20	0.01	0.07
10/19/2025	21	0.01	0.07
10/26/2025	22	0.01	0.06
11/02/2025	23	0.01	0.05
11/08/2025	24	0.00	0.05
11/15/2025	25	0.00	0.05

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Date	Week	Released N	Remaining N
11/22/2025	26	0.00	0.05
11/29/2025	27	0.00	0.04
12/06/2025	28	0.00	0.04
12/13/2025	29	0.00	0.04
12/20/2025	30	0.00	0.04
12/27/2025	31	0.00	0.04
01/03/2026	32	0.00	0.04
01/10/2026	33	0.00	0.04
01/17/2026	34	0.00	0.04
01/24/2026	35	0.00	0.04
01/31/2026	36	0.00	0.04
02/07/2026	37	0.00	0.04
02/14/2026	38	0.00	0.04
02/21/2026	39	0.00	0.04
02/28/2026	40	0.00	0.04
03/07/2026	41	0.00	0.04
03/15/2026	42	0.00	0.04
03/22/2026	43	0.00	0.04
03/29/2026	44	0.00	0.04
04/05/2026	45	0.00	0.04
04/12/2026	46	0.00	0.04
04/19/2026	47	0.00	0.04
04/26/2026	48	0.00	0.04
05/03/2026	49	0.00	0.04
05/10/2026	50	0.01	0.03

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Date	Week	Released N	Remaining N
05/17/2026	51	0.01	0.02
05/24/2026	52	0.01	0.02
05/31/2026	53	0.01	0.01
06/07/2026	54	0.01	0.00
06/14/2026	55	0.00	0.00