



Sportspitch Nutrition

Colman Warde

Country Sales Manager Ireland
Product Development Manager UK & Ireland

February 1st 2025

Technical values

- » Products that **perform**
- » All claims based on **research**
- » To be **progressive** and **responsible** with our advice
- » **Conscious** of our **impact**

Sportsturf Management – Then...



Sportsturf Management - Now.....

Huge progress has been made at all levels through improved knowledge and investment.



Notts County FC
Feb 2024

Future challenges?

Potential challenges facing us:

- Climate change/extremes of weather
- Tighter fixture schedules
- Increased regulation on products
- "Sustainability pressures" - reduce, reuse, recycle, carbon footprint
- Reduced access to water
- Future volunteers
- Pitch Availability



Controlled Release Fertilisers (CRF's)



Pioneering CRF technology since 1967!

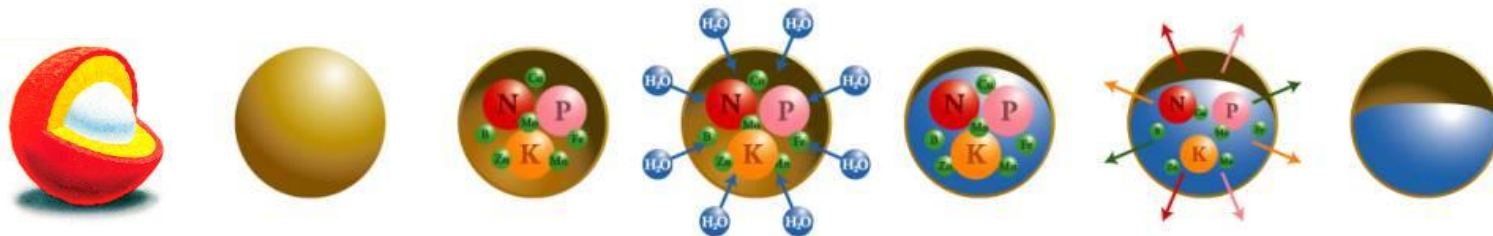
Everris (now ICL) introduced the first generation of coated fertilisers in 1967: an NPK granule with an organic coating around it, ensuring that only one application of nutrients would be enough for a long period of time.

This was the start of a whole new principle of fertiliser application.



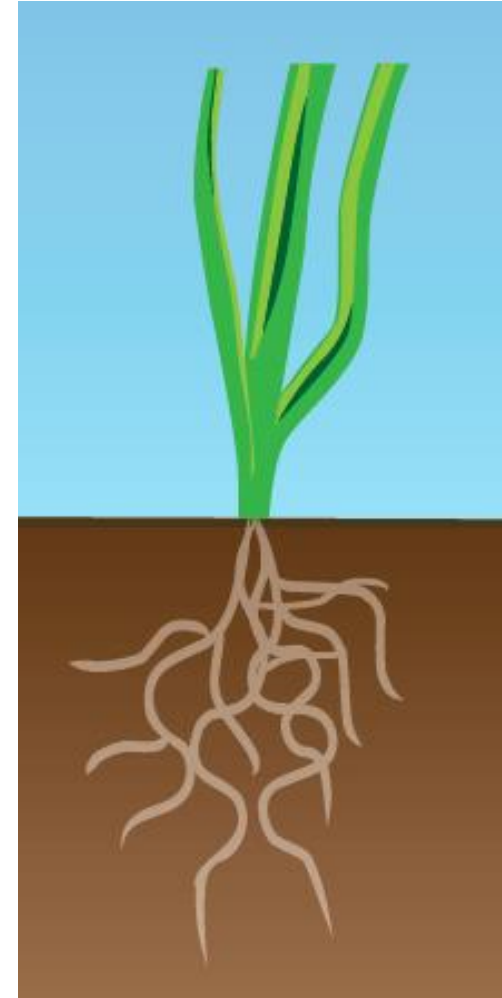
Controlled release technology

- Extended release pattern
- Reduced applications
- Low scorch risk
- Cost-effective



What are the main benefits of using CRF?

- Increasing nutrient use efficiency.
- Maintaining or increasing growth at a lower nutrient application rates
- Replacing multiple applications of fertiliser, by single base fertilisation.
- Reduction of labour/transport/storage costs
- Reduction of nutrient losses to the environment.



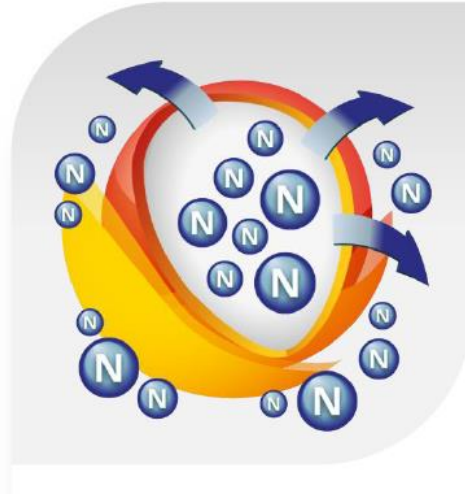
eqo.s release technology



Once applied at the turf base, close to the plant's roots, moisture penetrates the biodegradable coating and reaches the urea core.



There, urea starts to dissolve and is consistently released into the rootzone by diffusion.



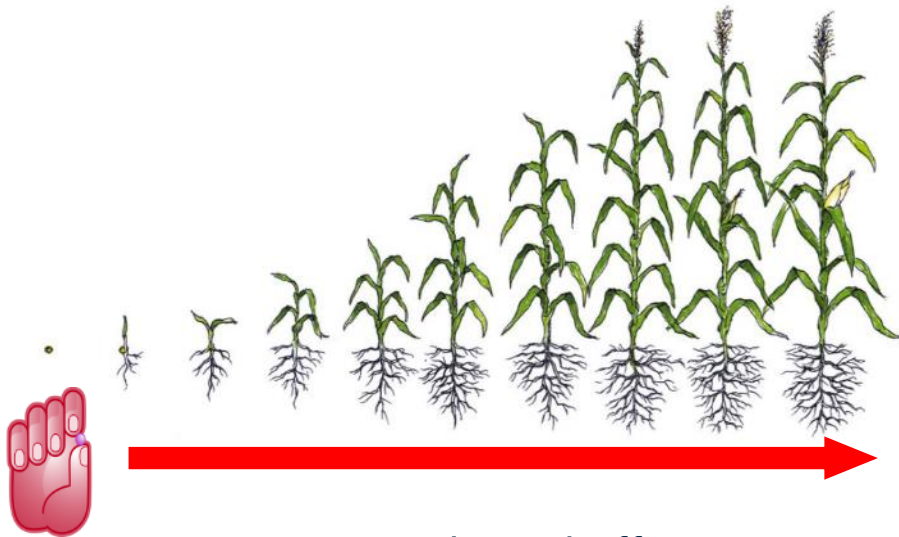
Influenced by soil temperature, nitrogen is released steadily day-by-day matching the plant's needs, and resulting in healthy turfgrass while reducing nutrient losses to the environment.



Once all nutrients are released, the patented biodegradable coating shell degrades quickly into inert materials, leaving no trace behind.

How do CRF compare to other types of fertilisers?

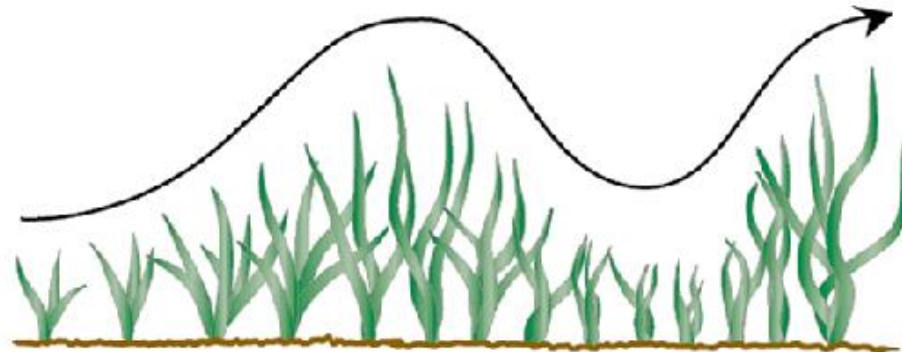
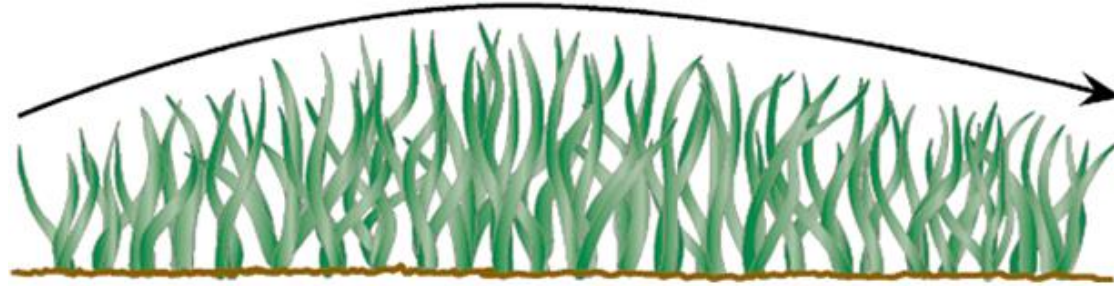
Controlled release fertilisers are considered to have the highest nutrient use efficiency as compared to other type of fertilisers.



One single and efficient application equals better value for your money!

Typical nutrient use efficiency (%)	
Controlled Release Fertilisers	80-90
Fully Soluble Spoon-feeding / fertigation	60-80
Slow Release fertilisers	50-70
Conventional	20-40

Consistent release pattern

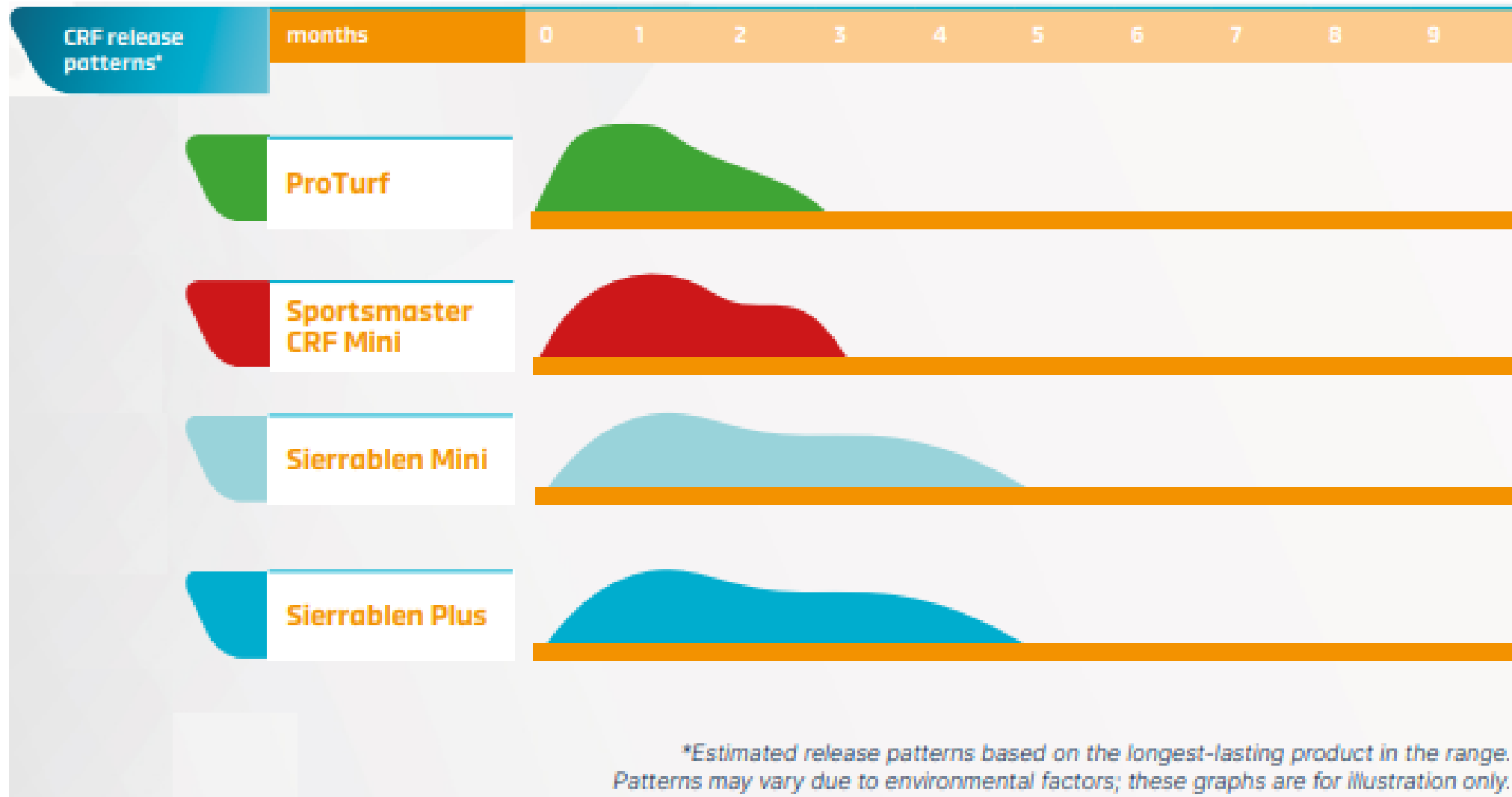


Range	ProTurf	Sportsmaster CRF Mini	Sierrablen Mini	Sierrablen Plus
Description				
	High impact granular fertiliser	Powerful blend designed for immediate response coupled with sustained release over 3 months	Exceptional performance on fine outfield turf up to 5 months	Premium quality mini granular formulation
Longevity	2 - 3 months	3 months	4 - 5 months	3 - 5 months
% coated CRF	25%	40%	68% - 100%	75% - 100%
Granule size	1mm - 2.5mm	1mm - 2.5mm	1mm - 2.5mm	1mm - 2.5mm
Granule dispersal* <small>(usually dispersed from surface)</small>	8 days	8 days	7 days	7 days
Typical turf response*	< 7 days	7 days	7 days	< 7 days

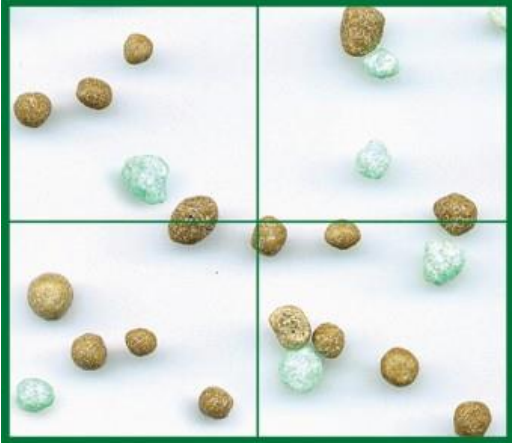
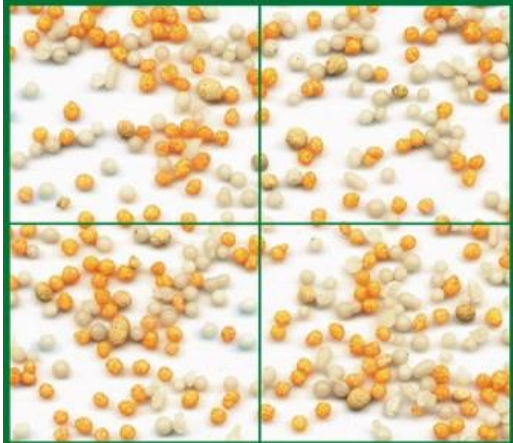


RECOMMENDED USAGE

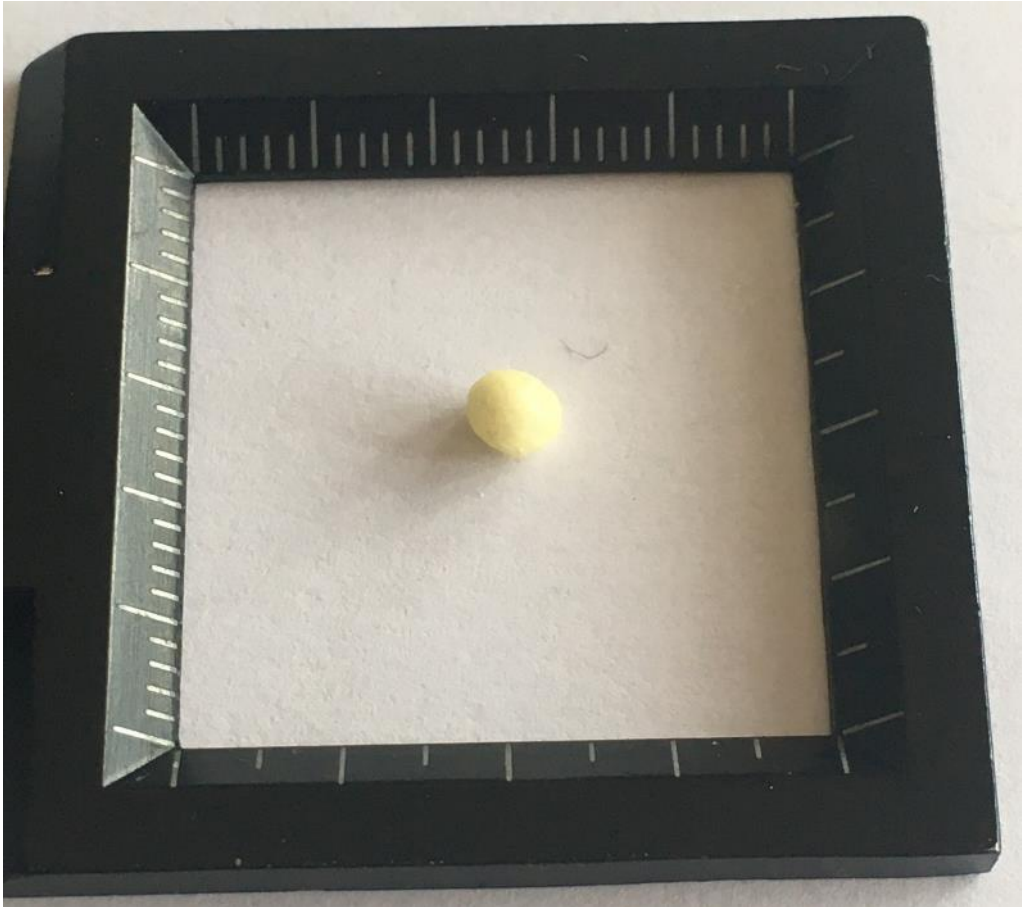
- ✓✓ Tees
- ✓✓ Sports Fields
- ✓✓ Fairways
- ✓✓ Amenity



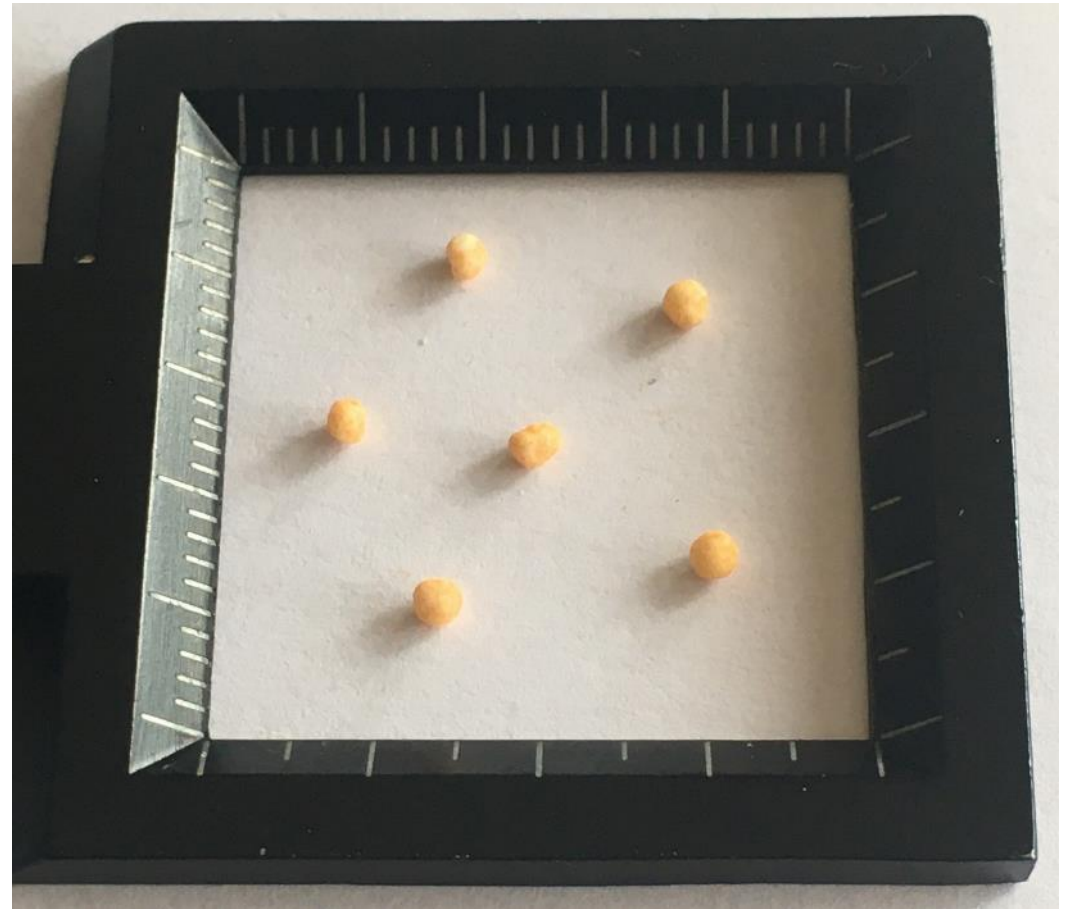
Standard vs Mini granules

	Standard	Mini
	 <p>A microscopic view of standard granules, showing several large, irregularly shaped particles in shades of brown and light blue. The granules are widely spaced across the field of view.</p>	 <p>A microscopic view of mini granules, showing a much higher density of smaller, more uniform spherical particles in shades of orange and white. The granules are packed closely together.</p>
Application Rate (g/m ²)	25	25





Standard granule 2-4mm
1 granule per 8cm²



Mini granule 1-2.5mm
6 granule per 8cm²







Nutrient Programmes for Sportspitches

Sampling, Analysis and Interpretation

Colman Warde

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Soil Analysis and Interpretation



Why are we sampling?

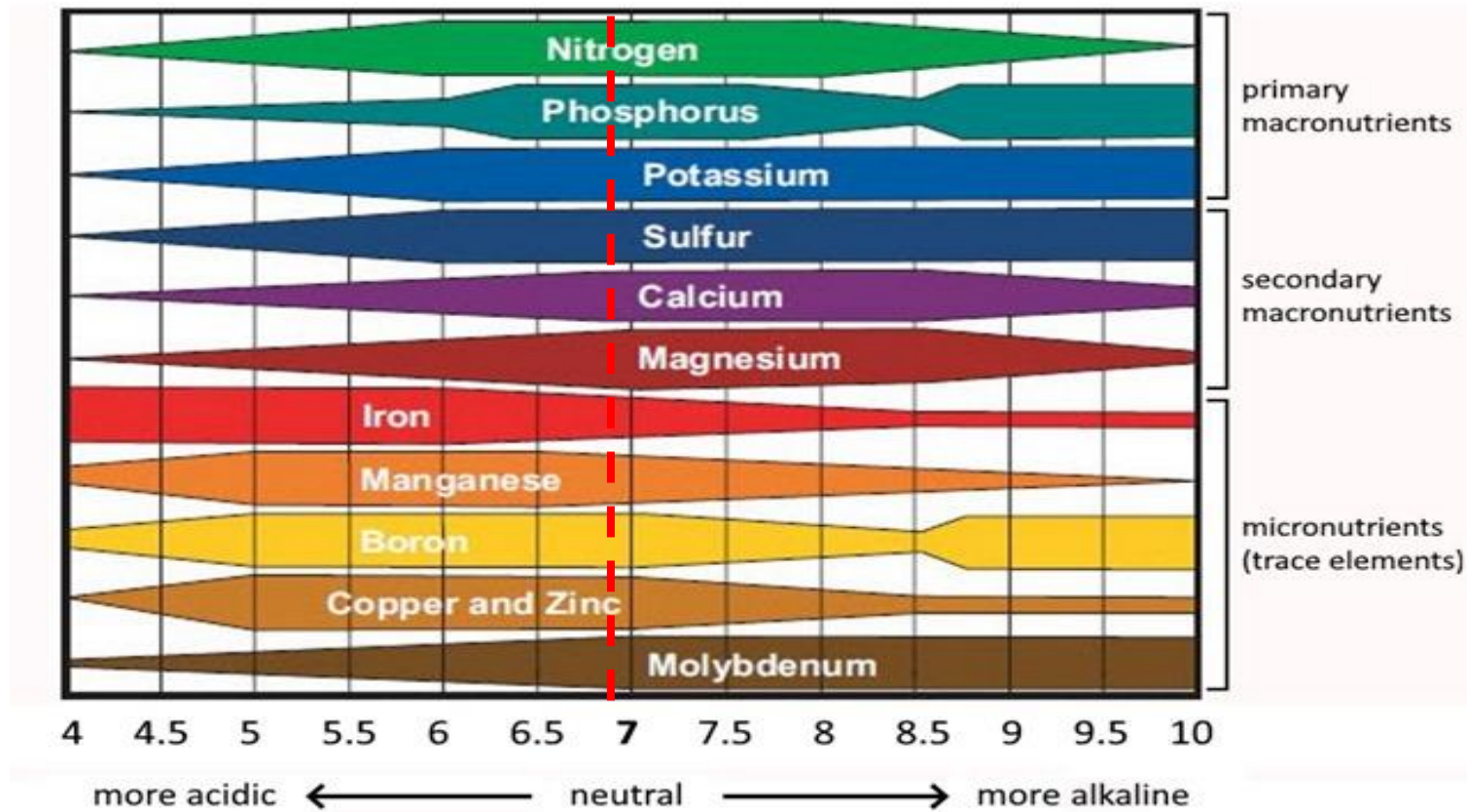
Routine sampling/ Problem solving

- Nutritional status
- Organic Matter issues
- Drainage issues
- Turf quality issues
- Visual profile inspections





Plant Nutrient Availability According to Soil pH



CEC can be very different



Interpretation of results checklist

1	Turf Type – Fine/coarse turf	✓
2	Existing turf performance	✓
3	Management intensity	✓
4	Soil type – Sand or soil type	✓
5	Species type - requirements	✓
6	Environmental considerations – rainfall, temperatures	✓
7	Nitrogen requirements	✓
8	Soil analysis – pH, CEC, P, K levels	✓
9	Additional maintenance	✓
10	Irrigation water quality check	✓



Clontibret GAA Club



Soil Analysis Report



Customer details

CLONTIBRET GFC
CLONTIBRET
MONAGHAN

Distributor/salesman details

Dealer:
Rep:
Tel:
ICL Area Sales Manager

Report details

Report ref: S66458/2024
Date received: 25-Mar-2024
Date reported: 02-Apr-2024

Name: FERGAL GREENAN
Mobile: +353 86 054 2566
Email: fergal.greenan@icl-group.com

Analysed independently by NRM. The analytical methods used are as described in DEFRA Reference Book 427.

Sand dominated rootzone

Annual nitrogen inputs 200 kg/ha

Grass type Perennial ryegrass

Physical analysis	MAIN PTC	NEW PTC	Guidelines
pH	6.6	7.2	5.5 - 7.49
CEC meq/100g	11.4	9.6	> 10
E.C. (Sat. CaSO4) mS/cm	2.0	2.0	0 - 2.49

Nutrients (exchangeable)	MAIN PTC	NEW PTC	Guidelines
Calcium ppm	1398	1359	500 - 1700
Potassium ppm	99	59	71 - 180
Magnesium ppm	102	77	51 - 110

Nutrients (available)	MAIN PTC	NEW PTC	Guidelines
Phosphorus ppm	14.2	22.4	11 - 50
Sulphur as SO4 ppm	35.4	9.0	21 - 150
Zinc ppm	0.9	0.2	5 - 8
Manganese ppm	16.4	3.5	7 - 15
Copper ppm	2.4	0.7	5 - 6
Iron ppm	138	50	76 - 150

Key ● Low (problematic) ● Low (monitor) ● Sufficient ● High (monitor) ● High (problematic)

Soil Analysis Report



Report details

Report ref: S66458/2024
Date reported: 02-Apr-2024



Key ● Low (problematic) ● Low (monitor) ● Sufficient ● High (monitor) ● High (problematic)

37100
37128
o.uk



Sports pitch

Soil Analysis And Pitch
Programme 2024



2024	January	February	March	April	May	June	July	August	September	October	November	December	2024																	
Sat	30	27	24	30	27	1	29	27	31	28	26	30	Sat																	
Sun	31	28	25	31	28	2	30	28	1	29	27	1	Sun																	
Mon	1	29	26	1	29	3	1	29	2	30	38	2	Mon																	
Tue	2	30	27	2	30	4	2	30	3	1	29	3	Tue																	
Wed	3	1	5	3	14	1	18	5	23	3	27	31	3	49	Wed															
Thu	4	1	29	4	2	6	4	1	5	3	31	5	Thu																	
Fri	5	2	1	5	3	7	5	2	6	4	1	6	Fri																	
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Sun	4	3	31	5	2	7	4	1	6	3	31	5	2	30	44	27	48	1	31	28	35	2	30	44	27	48	1	31	Sun	

ProTurf
21-5-6
30g/m²

Sierrablen Plus
Spring & Summer
CalMag
23-0-5
30g/m²

Sierrablen Mini
Autumn
Winter
15-5-16
30g/m²

	N	P	K
Annual total	177	30	81



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Email: fergal.greenan@icl-group.com



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West Road,
Ipswich IP3 9FJ

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Range	Product								Bag/Bottle Size kg or l	App rate kg/Ha or L/Ha	Area Ha	Number of apps	€ per bag/bottle	Totals/Ha						Bags or Bottles	Purchase	Total €
		N	P	K	MgO	CaO	Fe	N						P	K	MgO	CaO	Fe				
Sierrablen Mini	Autumn Winter	15	5	16	0	0	0	25	300	1.3	1	€48.00	45.0	15.0	48.0	0.0	0.0	0.0	15.6	16	€768.00	
ProTurf	21-5-6	21	5	6	2.5	2.5	0	25	300	1.3	1	€35.00	63.0	15.0	18.0	7.5	7.5	0.0	15.6	16	€560.00	
Sierrablen Plus	Spring & Summer	23	0	5	2	2	0	25	300	1.3	1	€48.00	69.0	0.0	15.0	6.0	6.0	0.0	15.6	16	€768.00	
												Totals	177.0	30.0	81.0	13.5	13.5	0.0			€2,096.00	

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Sat	3	2	30	4	31	6	3	31	5	32	29	36	3	31	45	28	50	2	31	30	4	3	Fri		
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ProTurf
21-5-6
30g/m²

Sierrablen Plus
Spring & Summer
CalMag
23-0-5
30g/m²

ProTurf
21-5-6
30g/m²

Sierrablen Mini
Autumn
Winter
15-5-16
30g/m²

	N	P	K
Annual total	240	45	99



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Range	Product								Totals/Ha													
		N	P	K	MgO	CaO	Fe	Bag/Bottle Size kg or l	App rate kg/Ha or L/Ha	Area Ha	Number of apps	€ per bag/bottle	N	P	K	MgO	CaO	Fe	Bags or Bottles	Purchase	Total €	
Sierrablen Mini	Autumn Winter	15	5	16	0	0	0	25	300	1.3	1	€48.00	45.0	15.0	48.0	0.0	0.0	0.0	15.6	16	€768.00	
ProTurf	21-5-6	21	5	6	2.5	2.5	0	25	300	1.3	2	€35.00	126.0	30.0	36.0	15.0	15.0	0.0	31.2	32	€1,120.00	
Sierrablen Plus	Spring & Summer	23	0	5	2	2	0	25	300	1.3	1	€48.00	69.0	0.0	15.0	6.0	6.0	0.0	15.6	16	€768.00	
												Totals	240.0	45.0	99.0	21.0	21.0	0.0				€2,656.00

2024	January	February	March	April	May	June	July	August	September	October	November	December	2024												
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Sun	31	28	25	31	28	2	30	28	1	29	27	1	Sun												
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Wed	17	3	14	7	13	16	15	18	18	38	13	46	18	51	Wed										
Thu	18	15	14	21-5-6 30g/m ²	18	16	20	18	19	17	14	21-5-6 30g/m ²	19	17	14	19	Thu								
Fri	19	16	15	19	17	21	19	20	20	18	15	20	20	Fri											
Sat	20	17	16	20	18	22	20	21	21	19	16	21	21	Sat											
Sun	21	18	17	21	19	23	21	22	22	20	17	22	22	Sun											
Mon	22	19	18	22	20	24	22	23	23	21	18	23	23	Mon											
Tue	23	20	19	23	21	25	23	24	24	22	19	24	24	Tue											
Wed	24	4	21	8	20	12	24	17	22	21	26	26	24	30	21	34	25	39	23	43	20	47	25	52	Wed
Thu	25	22	21	25	23	27	25	26	26	24	21	27	27	Thu											
Fri	26	23	22	26	24	28	26	27	27	25	22	27	27	Fri											
Sat	27	24	23	27	25	29	27	28	28	26	23	28	28	Sat											
Sun	28	25	24	28	26	30	28	29	29	27	24	29	29	Sun											
Mon	29	26	25	29	27	1	29	30	30	28	25	30	30	Mon											
Tue	30	27	26	30	28	2	30	31	31	29	26	31	31	Tue											
Wed	31	28	9	27	13	1	29	22	3	28	35	2	30	44	27	48	1	Wed							
Thu	1	29	28	2	30	4	1	29	3	31	28	3	31	28	2	Thu									
Fri	2	1	29	3	31	5	2	30	4	1	29	3	31	28	3	Fri									
Sat	3	2	30	4	1	6	3	31	5	2	30	4	3	Sat											
Sun	4	3	31	5	2	7	4	1	6	3	31	5	4	Sun											

	N	P	K
Annual total	257	48	110



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2024	January	February	March	April	May	June	July	August	September	October	November	December	2024												
Sat	30	27	24	30	27	1	29	27	31	28	26	30	Sat												
Sun	31	28	25	31	28	2	30	28	1	29	27	1	Sun												
Mon	1	29	26	1	29	3	1	29	2	30	Liquid Nutrition S/buster 20l WSF S&S 15kg Ryder 1l Primo 1.2l 350 L/ha	2	Mon												
Tue	2	30	27	2	30	4	2	30	3	1	29	3	Tue												
Wed	3	1	5	3	14	1	3	31	4	36	2	4	Wed												
Thu	4	1	29	4	7	6	4	1	5	3	31	5	Thu												
Fri	5	2	1	5	3	7	5	2	6	4	1	6	Fri												
Sat	6	3	Game	6	4	8	6	3	7	5	2	7	Sat												
Sun	7	4	3	7	5	9	7	4	8	6	3	8	Sun												
Mon	8	5	4	8	Liquid Nutrition WSF 20-0-0 15kg Effect Fe 20l Ryder 1l 350 L/ha	6	10	Liquid Nutrition S/buster 20l WSF S&S 15kg Ryder 1l Primo 1.2l 350 L/ha	9	Liquid Nutrition S/buster 20l WSF S&S 15kg Ryder 1l Primo 1.2l 350 L/ha	7	ProTurf	4	9	ProTurf	Mon									
Tue	9	6	5	9	7	11	9	10	10	8	ProTurf	5	10	ProTurf	Tue										
Wed	10	7	6	10	19	12	10	7	11	9	15-5-15 30g/m ²	6	11	15-5-15 30g/m ²	Wed										
Thu	11	8	7	11	350 L/ha	9	13	8	12	10	350 L/ha	7	12	350 L/ha	Thu										
Fri	12	9	8	12	10	14	12	9	13	11	8	13	Fri												
Sat	13	10	9	13	11	15	13	10	14	12	9	14	Sat												
Sun	14	Greenmaster Pro-Lite	11	10	Liquid Nutrition WSF 20-0-0 15kg Effect Fe 20l Ryder 1l 350 L/ha	14	12	16	15	13	10	15	Sun												
Mon	15	12	11	15	13	17	15	12	16	14	11	16	Mon												
Tue	16	Cold Start	13	12	14	18	16	13	17	15	12	17	Tue												
Wed	17	11-5-5 30g/m ²	14	7	13	Game	15	20	19	25	17	29	14	33	18	38	16	38	16	Liquid Nutrition S/buster 20l WSF S&S 15kg Ryder 1l Primo 1.2l 350 L/ha	13	46	18	51	Wed
Thu	18	15	14	18	Game	16	Liquid Nutrition S/buster 20l WSF S&S 15kg Ryder 1l Primo 1.2l 350 L/ha	20	18	19	17	19	17	19	17	19	17	19	17	19	17	19	17	19	Thu
Fri	19	16	15	19	17	21	19	16	20	18	15	20	15	20	18	15	20	18	15	20	18	15	20	15	Fri
Sat	20	17	16	20	18	22	20	17	21	19	16	21	16	21	19	16	21	19	16	21	19	16	21	16	Sat
Sun	21	18	17	21	19	23	21	18	22	20	17	22	18	22	20	17	22	20	17	22	20	17	22	18	Sun
Mon	22	19	18	22	20	24	22	19	23	21	18	23	19	23	21	18	23	21	18	23	21	18	23	19	Mon
Tue	23	20	19	23	21	25	23	20	24	22	19	24	20	24	22	19	24	22	19	24	22	19	24	20	Tue
Wed	24	4	21	8	20	12	24	Water Management AquaSmart 10 L/ha 400-800 L/ha	22	21	26	21	30	21	34	25	39	23	43	20	47	25	52	Wed	
Thu	25	22	21	25	23	27	23	27	25	22	26	26	26	26	26	26	26	26	26	26	26	26	26	26	Thu
Fri	26	23	22	26	24	28	24	28	26	23	27	27	27	27	27	27	27	27	27	27	27	27	27	27	Fri
Sat	27	24	23	27	25	29	25	29	24	28	26	28	26	28	26	28	26	28	26	28	26	28	26	28	Sat
Sun	28	25	24	28	26	30	26	30	25	29	27	29	25	29	27	29	25	29	27	29	25	29	27	29	Sun
Mon	29	26	25	29	27	1	29	26	30	28	25	30	26	30	28	25	30	26	30	28	25	30	26	30	Mon
Tue	30	27	26	30	28	2	30	27	31	29	26	31	27	31	29	26	31	27	31	29	26	31	27	31	Tue
Wed	31	28	27	31	29	3	31	28	32	30	27	32	28	32	30	27	32	30	27	32	30	27	32	28	Wed
Thu	1	29	28	32	30	4	32	29	33	31	28	33	29	33	31	28	33	31	28	33	31	28	33	29	Thu
Fri	2	1	30	33	31	5	33	30	34	32	29	34	30	34	32	29	34	32	29	34	32	29	34	30	Fri
Sat	3	2	31	34	32	6	34	31	35	33	30	35	31	35	33	30	35	33	30	35	33	30	35	31	Sat
Sun	4	3	32	35	33	7	35	32	36	34	31	36	32	36	34	31	36	34	31	36	34	31	36	32	Sun

	N	P	K
Annual total	433	95	194



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Range	Product								Totals/Ha											Purchase	Total €	
		N	P	K	MgO	CaO	Fe	Bag/Bottle Size kg or l	App rate kg/Ha or L/Ha	Area Ha	Number of apps	€ per bag/bottle	N	P	K	MgO	CaO	Fe	Bags or Bottles			
Greenmaster Pro-Lite	Cold Start	11	5	5	0		8	25	300	1.3	1		33.0	15.0	15.0	0.0	0.0	24.0	15.6	16	€0.00	
ProTurf	21-5-6	21	5	6	2.5	2.5	0	25	300	1.3	3		189.0	45.0	54.0	22.5	22.5	0.0	46.8	47	€0.00	
Sierrablen Plus	Spring & Summer	23	0	5	2	2	0	25	300	1.3	1		69.0	0.0	15.0	6.0	6.0	0.0	15.6	16	€0.00	
ProTurf	15-5-15	15	5	15	2	2	0	25	300	1.3	2		90.0	30.0	90.0	12.0	12.0	0.0	31.2	32	€0.00	
Syngenta Pigment	Ryder	0	0	0	0	0	0	1	1	1.3	9		0.0	0.0	0.0	0.0	0.0	0.0	11.7	12	€0.00	
Sporstmaster WSF	Ammonium Sulphate SMX	20	0	0	0	0	0	15	15	1.3	3		9.0	0.0	0.0	0.0	0.0	0.0	3.9	4	€0.00	
Greenmaster Liquid	Iron Effect	2	0	0	1.6	0	7.2	10	20	1.3	3		1.2	0.0	0.0	1.0	0.0	4.3	7.8	8	€0.00	
Vitalnova	Stressbuster	7	0	0	0	0	2	10	20	1.3	7		12.2	0.0	0.0	0.0	0.0	3.5	18.2	19	€0.00	
Sportsmaster WSF	Spring & Summer	28	5	19	0	0	0	15	15	1.3	7		29.4	5.3	20.0	0.0	0.0	0.0	9.1	10	€0.00	
H2Pro	AquaSmart	0	0	0	0	0	0	5	10	1.3	4		0.0	0.0	0.0	0.0	0.0	0.0	10.4	11	€0.00	
Syngenta PGR	Primo Maxx II	0	0	0	0	0	0	5	1.2	1.3	7		0.0	0.0	0.0	0.0	0.0	0.0	2.2	3	€0.00	
												Totals	432.8	95.3	194.0	41.5	40.5	31.8				€0.00

Example Stadium Programme



2024	January	February	March	April	May	June	July	August	September	October	November	December	2024
Sat	30	27	24	30	27	1	29	27	31	28	26	30	Sat
Sun	31	28	25	31	28	2	30	28	1	29	27	1	Sun
Mon	1	29	26	1	29	3	1	29	2	30	28	2	Mon
Tue	2	30	27	2	30	4	2	30	3	31	29	3	Tue
Wed	3	31	28	3	31	5	3	31	4	36	30	4	Wed
Thu	4	1	29	4	30	6	4	31	5	37	31	5	Thu
Fri	5	2	1	5	31	7	5	1	6	38	31	6	Fri
Sat	6	3	2	6	30	8	6	2	7	39	1	7	Sat
Sun	7	4	3	7	31	9	7	3	8	40	2	8	Sun
Mon	8	5	4	8	30	10	8	4	9	41	3	9	Mon
Tue	9	6	5	9	31	11	9	5	10	42	4	10	Tue
Wed	10	7	6	10	30	12	10	6	11	43	5	11	Wed
Thu	11	8	7	11	31	13	11	7	12	44	6	12	Thu
Fri	12	9	8	12	30	14	12	8	13	45	7	13	Fri
Sat	13	10	9	13	31	15	13	9	14	46	8	14	Sat
Sun	14	11	10	14	30	16	14	10	15	47	9	15	Sun
Mon	15	12	11	15	31	17	15	11	16	48	10	16	Mon
Tue	16	13	12	16	30	18	16	12	17	49	11	17	Tue
Wed	17	14	13	17	31	19	17	13	18	50	12	18	Wed
Thu	18	15	14	18	30	20	18	14	19	51	13	19	Thu
Fri	19	16	15	19	31	21	19	15	20	52	14	20	Fri
Sat	20	17	16	20	30	22	20	16	21	53	15	21	Sat
Sun	21	18	17	21	31	23	21	17	22	54	16	22	Sun
Mon	22	19	18	22	30	24	22	18	23	55	17	23	Mon
Tue	23	20	19	23	31	25	23	19	24	56	18	24	Tue
Wed	24	21	20	24	30	26	24	20	25	57	19	25	Wed
Thu	25	22	21	25	31	27	25	21	26	58	20	26	Thu
Fri	26	23	22	26	30	28	26	22	27	59	21	27	Fri
Sat	27	24	23	27	31	29	27	23	28	60	22	28	Sat
Sun	28	25	24	28	30	30	28	24	29	61	23	29	Sun
Mon	29	26	25	29	31	1	29	25	30	62	24	30	Mon
Tue	30	27	26	30	30	2	30	26	31	63	25	31	Tue
Wed	31	28	27	31	31	3	31	27	1	64	26	1	Wed
Thu	1	29	28	1	30	4	1	28	2	65	27	2	Thu
Fri	2	1	29	2	31	5	2	29	3	66	28	3	Fri
Sat	3	2	30	3	30	6	3	30	4	67	29	4	Sat
Sun	4	3	31	4	31	7	4	31	5	68	30	5	Sun

	N	P	K
Annual total	485	136	289



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Thank you

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