



TURF FERTILIZERS
WESTERN U.S.



Professional Turf Fertilizers



Professional Turf Products powered by **Scotts® PRO** technology and the latest advancements in turfgrass management

Target Specialty Products™ is proud to bring you an innovative line of professional turf products designed especially for your professional turf care needs. We understand the importance of consistent quality and performance and are certain that our latest formulations will meet your professional needs.



Teaming Up with an Iconic Brand

Our partnership with Scotts, one of the most trusted names in lawn care, allows us to deliver the latest technology and innovations in turf care to our customers. Our knowledgeable, experienced sales and marketing teams now have access to leverage the power of **Scotts® PRO** technologies backed by decades of turfgrass research and continual improvement to launch two new Target exclusive lines of granular fertilizers—**Turf Fuel G™** and **TS Pro™**.

*Superior Solutions and Value for Our
Turfgrass Manager Customers.*

About Target Specialty Products

Target Specialty Products is proud to be a leading national value-added solutions provider of turf and ornamental (T&O) products, pest control products, supplies, services and education. We offer a comprehensive line of the most effective products to service the needs of professional managers in the areas of Arbor Care, Landscape, Golf and Sports Turf Management, Nursery/Greenhouse Production, Aquatic, and Vegetation Management.



Target Specialty Products

Polymer Technology Product Comparison

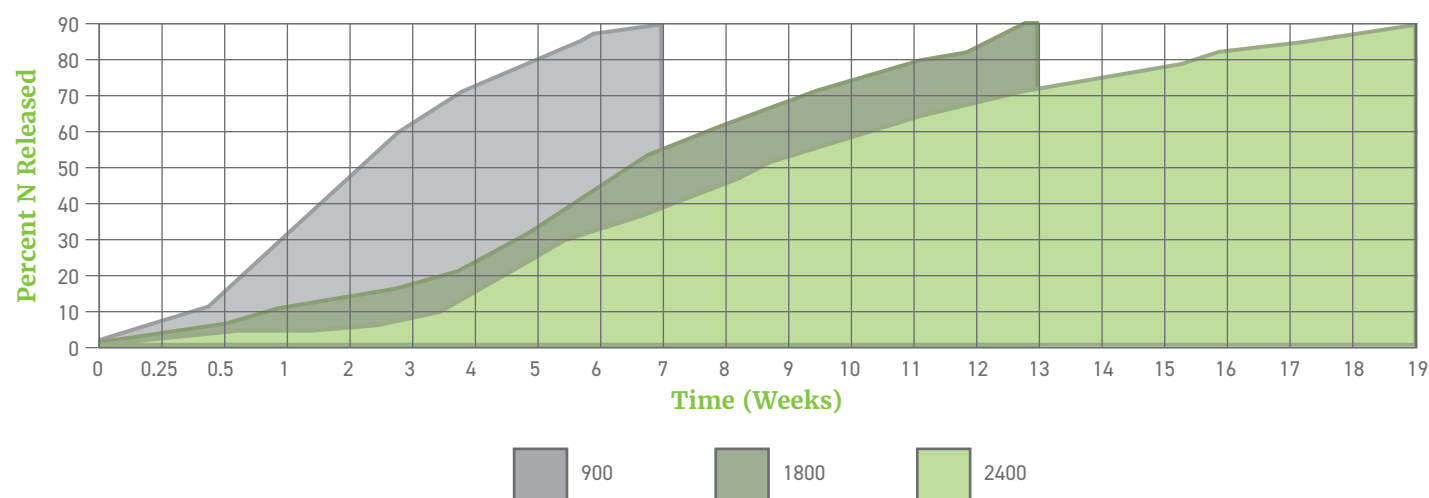
LONGEVITY (AVERAGE # DAYS TO 80% NUTRIENT RELEASE)				
GROWING DEGREE IN DAYS	900 (45-DAY AT 20° C)	1800 (90-DAY AT 20° C)		2400 (120-DAY AT 20° C)
TECHNOLOGY	PCU	TPT	TPT	TPT
N-P-K	44.5-0-0	44-0-0	43-0-0	41.5-0-0
SGN	240	240	—	240

Product Benefits

APPLICATION SPECIFIC DESIGN	TOP PERFORMANCE	HIGH QUALITY STANDARDS
<ul style="list-style-type: none"> Broad testing program to ensure products perform to the highest standards across turf types, climates, and weather conditions Release characteristics specifically matched to the long term nutritional needs in turf Ongoing program of performance monitoring and testing to drive continual long-term improvement in product performance 	<ul style="list-style-type: none"> Uniform sized, dust-free particles for optimal spread and distribution A steady, consistent release of nutrients that produces a quick color response that lasts over the designed duration of the product Different release durations and characteristics to meet the varied needs of the professional turf industry 	<ul style="list-style-type: none"> Strict quality control standards with multiple testing points throughout production Standards that cover the full spectrum of use and desired performance including size, handling, coverage, release, and color

Target Specialty Products

Controlled Release Technology Comparison



Release based on preliminary field testing and on water soak at room temperature; further field testing is ongoing.

CONTROLLED RELEASE FERTILIZERS

PRODUCT

Polymer-Coated Urea Granule (PCU, TPT)

- Release N by diffusion through coating when in contact with water
- Release rate controlled by coating thickness, type, and soil temperature
- Release time 4 weeks to 6 months

ATTRIBUTES

- Maximum protection against nutrient loss to the environment—ammonia volatilization, leaching and denitrification
- Most predictable and controlled release—not impacted by the factors that impact microbial activity in the soil as other types of granular fertilizer
- Release timing aligned with the nutrient needs of the turf, maximizing the return to your investment
- Improved durability from production to application

SLOW RELEASE FERTILIZERS

PRODUCT

Polymer-Coated Sulfur-Coated Urea (PCSCU)

- Release N by physical or biochemical breakdown of the coating
- Release rate determined by coating thickness and biological activity
- 4-8 weeks release

TMT

Three-way release mechanisms via:

- Moisture
- Temperature
- Microbial activity
- Reduced volatilization (product loss); All-in-one particle (homogeneous) with built-in SR that can be applied at low N rates

ATTRIBUTES

- Protects against: ammonia volatilization, leaching, and denitrification
- Less predictable release characteristics than controlled release fertilizers given release is dependent upon microbial activity in the soil—not necessarily timed with the needs of the turf



LONG TERM RELEASE SOLUTIONS

ANALYSIS	TECHNOLOGY		ADDITIVES	APPROX. DURATION (DAYS)	SGN SIZE	LBS	COVERAGE	PRODUCT RATE (LBS/1000 SQ FT)	NUTRIENTS			
	%	TYPE							N	P	K	K SRC
43-0-0	100%	TPT Blend (900, 1800, 2400)		120-150	240	50	14,333	3.49	1.50	—	—	—
35-0-10	95%	TPT Blend (900, 1800, 2400)		120-150	240	50	11,667	4.29	1.50	—	0.43	MOP
21-3-16	60%	TPT Blend (900, 1800)	1% Mg	90	240	50	10,500	4.76	1.00	0.14	0.76	MOP
24-0-16	95%	TPT Blend (900, 1800, 2400)	2% Fe / 5% AS	120-150	240	50	12,000	4.17	1.00	—	0.67	MOP
24-2-8	95%	TPT Blend (900, 1800, 2400)	5% Fe / 5% AS	120-150	240	50	12,000	4.17	1.00	0.08	0.33	MOP
21-3-21	50%	TPT 1800	3% Fe	90	240	1000	10,500	4.76	1.00	0.14	1.00	MOP
22-2-10	60%	TPT 1800	Humic	90	240	1000	11,000	4.55	1.00	0.09	0.45	MOP
31-3-5	50%	TPT 1800	3% Fe	90	240	50	15,500	3.23	1.00	0.10	0.16	MOP
32-0-10	75%	TPT 1800	3% Fe	90	240	50	16,000	3.13	1.00	—	0.31	MOP
13-5-10	50%	TPT 2400	Micros	120	240	50	6,500	7.69	1.00	0.38	0.77	SOP
30-0-12	80%	TPT Blend (900, 1800, 2400)		90-105	240	50	15,000	3.33	1.00	—	0.40	MOP
14-14-14	70%	TPT 1800	3% Fe	90-105	240	50	7,000	7.14	1.00	1.00	1.00	MOP
22-2-8	65%	30% MU / 30% TPT 900	Humic	120-150	240	50	11,000	4.55	1.00	0.09	0.36	MOP



MEDIUM TERM RELEASE SOLUTIONS

ANALYSIS	TECHNOLOGY		ADDITIVES	APPROX. DURATION (DAYS)	SGN SIZE	LBS	COVERAGE	PRODUCT RATE (LBS/ 1000 SQ FT)	NUTRIENTS			
	%	TYPE							N	P	K	K SRC
18-3-5	30%	PCU 900		45-60	240	50	9,000	5.56	1.00	0.17	0.28	MOP
22-5-10	65%	PCU 900	2% Fe	45-60	240	50	11,000	4.55	1.00	0.23	0.45	SOP
24-0-6	50%	PCU 900	2% Fe	45-60	240	50	12,000	4.17	1.00	—	0.25	SOP
24-4-10	50%	PCU 900	20% AS / 3% Fe	45-60	240	50	12,000	4.17	1.00	0.17	0.42	SOP
25-5-5	50%	PCU 900	2% Fe	45-60	240	50	12,500	4.00	1.00	0.20	0.20	SOP
28-0-10	60%	PCU 900	2% Fe	45-60	240	50	14,000	3.57	1.00	—	0.36	SOP
32-0-11	50%	PCU 900	2% Fe	45-60	240	50	16,000	3.13	1.00	—	0.34	SOP
32-0-0	50%	PCU 900	50% AS	45-60	240	50	16,000	3.13	1.00	—	—	—
12-22-12	20%	PCSCU		45-60	240	50	12,000	4.17	0.50	0.92	0.50	MOP
15-5-10	50%	PCSCU	2% Fe	45-60	240	50	7,500	6.67	1.00	0.33	0.67	MOP
24-0-5	40%	PCSCU	2% Fe	45-60	240	50	12,000	4.17	1.00	—	0.21	MOP
21-3-16	60%	MU/PCSCU	3% Fe	120	240	50	10,500	4.76	1.00	0.14	0.76	MOP
32-0-10	50%	PCSCU	2% Fe	45-60	240	50	16,000	3.13	1.00	—	0.31	MOP
19-19-19	30%	PCSCU		45-60	240	50	9,500	5.26	1.00	1.00	1.00	MOP
32-3-9	30%	PCSCU	2% Fe	45-60	240	50	16,000	3.13	1.00	0.09	0.28	MOP
32-5-7	50%	PCSCU		45-60	240	50	16,000	3.13	1.00	0.16	0.22	MOP
25-0-5	50%	PCSCU	Nutripel	45-60	240	50	12,500	4.00	1.00	—	0.20	MOP
18-24-12	25%	PCSCU		45-60	240	50	9,000	5.56	1.00	1.33	0.67	MOP
38-0-0	100%	PCSCU		45-60	240	50	19,000	2.63	1.00	—	—	—



UREASE INHIBITOR SOLUTIONS

ANALYSIS	TECHNOLOGY		ADDITIVES	APPROX. DURATION (DAYS)	SGN SIZE	LBS	COVERAGE	PRODUCT RATE (LBS/ 1000 SQ FT)	NUTRIENTS			
	%	TYPE							N	P	K	K SRC
27-0-2	50%	Inhibitor	50% Bio	45-60	240	50	13,500	3.70	1.00	—	0.07	MOP
46-0-0	100%	Inhibitor		60-90	240	50	23,000	2.17	1.00	—	—	—
46-0-0	100%	Inhibitor		45-60	240	50	23,000	2.17	1.00	—	—	—
24-5-10	100%	Inhibitor		60-90	240	50	12,000	4.17	1.00	0.21	0.42	MOP

QUICK RELEASE SOLUTIONS

ANALYSIS	TECHNOLOGY		ADDITIVES	APPROX. DURATION (DAYS)	SGN SIZE	LBS	COVERAGE	PRODUCT RATE (LBS/ 1000 SQ FT)	NUTRIENTS			
	%	TYPE							N	P	K	K SRC
6-20-20	100%	Mineral		45-60	240	50	6,000	8.33	0.50	1.67	1.67	SOP
9-9-9	100%	Mineral	9% Fe	45-60	240	50	9,000	5.56	0.50	0.50	0.50	MOP
10-20-10	100%	Mineral		45-60	240	50	6,667	7.50	0.75	1.50	0.75	MOP
12-8-6	100%	Mineral	3% Fe	45-60	240	50	6,000	8.33	1.00	0.67	0.50	MOP
15-5-7	100%	Mineral	AS / 3% Fe	45-60	240	50	7,500	6.67	1.00	0.33	0.47	MOP
15-5-10	100%	Mineral	2% Fe	45-60	240	50	7,500	6.67	1.00	0.33	0.67	MOP
21-0-0	100%	Mineral	AS	45-60	240	50	21,000	2.38	0.50	—	—	MOP
21-2-4	100%	Mineral	Nitrate / 2% Fe	45-60	240	50	10,500	4.76	1.00	0.10	0.19	MOP
21-7-4	100%	Mineral	50% Nitrate	45-60	240	50	10,500	4.76	1.00	0.33	0.19	MOP
15-15-15	100%	Mineral	13% AS / 2% Urea	45-60	240	50	7,500	6.67	1.00	1.00	1.00	MOP
18-3-5	100%	Mineral	Nitrate	45-60	240	50	9,000	5.56	1.00	0.17	0.28	MOP
28-4-10	100%	Mineral	3% Fe	45-60	240	50	14,000	3.57	1.00	0.11	0.36	MOP
22-2-10	100%	Mineral		45-60	240	50	11,000	4.55	1.00	0.09	0.45	MOP
25-5-5	100%	Mineral		45-60	240	50	12,500	4.00	1.00	0.20	0.20	MOP
46-0-0	100%	Mineral	Soluble	45-60	240	50	—	1.63	0.75	—	—	MOP
0-0-50	100%	Mineral	Soluble	45-60	240	50	—	—	0.75	—	—	MOP
0-0-52	100%	Mineral	Soluble	45-60	240	50	—	—	0.75	—	—	MOP
18-46-0	100%	Mineral	DAP	45-60	240	50	—	4.17	0.75	1.92	—	MOP
0-0-22	100%	Mineral	Kmag	45-60	240	50	—	—	0.75	—	—	MOP
15.5-0-0	100%	Mineral	Cal Nitrate	45-60	240	50	—	4.84	0.75	—	—	MOP
11-52-0	100%	Mineral	MAP	45-60	240	50	—	6.82	0.75	3.55	—	MOP



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