

"In the bigger picture, isn't what we do really just making sure that one more piece of a customer's American Dream is picture perfect?"

### "And thanks to Lebanon quality, we do it quite well."



John Nugent, Lawn Medic, Inc., Bergen, NY

There's more to a beautiful lawn than meets the eye. It's the part of a homeowner's American Dream that depends on you—and the products you select.

Lebanon Pro fertilizer products are formulated for quick green-up. Uniformly sized for even distribution. Clean and easy to spread.

Plus Lebanon quality delivers one of the most efficient cost-per-thousand figures in the industry. And *that's* a pretty picture—for everyone.

For more information on our complete line of Professional Turf Products, call our Greenline at 1-800-233-0628 or 717-273-1685.







### Keep your reputation spotless.

Golfers may not know leaf spot by name, but it can mark the difference between your course and someone else's.

DYRENE\* 4 Turf Fungicide has been effectively controlling leaf spot for years. And for every day of control you get, nothing costs less.

DYRENE 4. Proven control. Because we have a reputation to consider, too. Specialty Products Group, Box 4913, Kansas City, MO 64120.

#### DYRENE is a reg. TM of Mobay Corporation.

### Dyrene 4

Mobay Corporation



LANDSCAPE	ide MANAGEMENT
POCKET GUIDE TO	
TURF FERTILIZATION	
WEED CONTROL PRE-EMERGENCE (COOL-SEAS PRE-EMERGENCE (WARM-SEA POST-EMERGENCE (COOL-SEA POST-EMERGENCE (WARM-SE	SON)
INSECT CONTROL WARM-SEASON COOL-SEASON	
DISEASE CONTROL WARM-SEASON COOL-SEASON	

Compiled by the editors of Landscape Management from articles appearing in the magazine by leading agronomists from across the country.

## Look at it this way.

# Is there really any other choice in grub control?

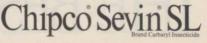
CHIPCO® SEVIN® brand SL carbaryl insecticide consistently demonstrates effective control of the most damaging species of white

grubs. Plus control of 29 other destructive turf pests—including sod webworms, chinch bugs and bluegrass billbugs. It even provides dependable control of more than 86 insects known to attack trees, shrubs and ornamentals.

And CHIPCO<sup>®</sup> SEVIN<sup>®</sup> brand SL carbaryl insecticide gives you all this control at a cost of only about one dollar per 1,000 sq. ft. But the advantages don't stop there. CHIPCO<sup>®</sup> SEVIN<sup>®</sup> brand SL carbaryl insecticide is ideal for control of nuisance pests such as ants, fleas, ticks and mosquitoes that thrive around the perimeters of your course. And it's easy to apply. There's no need

for special protective clothing, no odor, and play can be resumed as soon as the spray has dried. CHIPCO<sup>®</sup> SEVIN<sup>®</sup> brand SL carbaryl insecticide is low in toxicity to fish, and other formulations of SEVIN<sup>®</sup> brand are used for control of pests on household pets, poultry and some game birds.

When you add it all up, is there really any other choice in grub control?



RHÔNE-POULENC

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As with any crop protection chemical, always read and follow instructions on the label. CHIPCO is a registered trademark of Rhone-Poulenc. © 1989 Rhone-Poulenc Ag Company CHIPCO SEVIN is a registered trademark of Rhone-Poulenc for carbaryl insecticide.



New Triumph, from CIBA-GEIGY, provides, on average, over 90% grub control in just two to three days. And there are over 10 years of major university and CIBA-GEIGY trials to prove it.

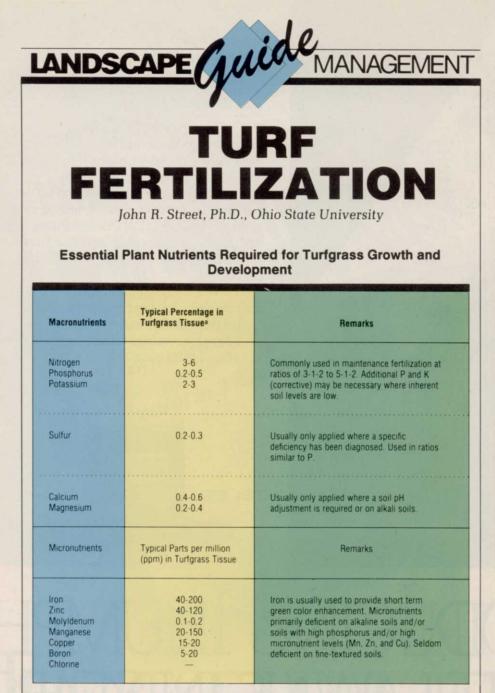
Triumph offers broad spectrum control of surface feeders like chinch bugs, sod webworms, army worms, chionodes, plus sub-surface mole crickets and annual bluegrass weevils.

Application in late summer to fall can prevent turf insect damage by eliminating grubs when they're small, before they can damage roots. And if grub damage appears in spring and summer, application of Triumph quickly stops further damage.

When your customers call you with a grub problem, they want results fast. And that's what they get with Triumph. And, because Triumph is restricted to lawn care applicators, your customers can only get it from you.



CIBA-GEIGY



Elemental percentages will vary to some extent depending on turfgrass species and cultivars, environmental conditions and other variables.

### A Comparison of Known Late-Season Fertilization Advantages on Cool- Versus Warm-Season Grasses

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Late-Season Effect	Cool-Season Grass Response	Warm-Season Grass Response
Winter hardiness		
Rooting		
Carbohydrate balance	요즘 그 안 후 그 않았는데 것 같 !	
Fall color retention		· · · · · · · · · · · · · · · · · · ·
Spring greenup	e da la la 🛊 mensión inter	1 1 2 2 1 4 1 4
Spring mowing reduction	이 같은 그는 것 약 비행을 다 같다.	+
Turf density		
Weed reduction	+	
Disease reduction	+	
Thatch accumulation	+	

Plus (+) denotes a positive response, negative (-) denotes a negative response, (+-) denotes a limited response and a blank indicates research information limited.

### Nitrogen Treatment Effects on a Merion Kentucky Bluegrass Sod

Nitrogen Rate	Annual Clipping Yield (dry wt.)	Nitrogen Content in Clippings	Sod Strength	Rhizomes
lb/A/month	Ib/A	%	lb to tear	grams
0	463	3.0	146	99
15	1807	3.3	188	89
30	2555	3.6	130	120
60	5676	4.5	97	43
120	8447	5.4	67	14

Rieke, P. E. 1975. Turfgrass Fertilization - Nitrogen. 16th Illinois Turfgrass Conference Proceedings. 81-85.



#### Comparative Turfgrass Responses of Commonly Used Maintenance Nutrients-Nitrogen, Phosphorus and Potassium

		Nutrient		
Turfgrass Response	Nitrogen	Phosphorus	Potassium	
Shoot Growth				
Shoot Density				
Grass Color (Green)				
Root Growth	•	•	•	
Establishment Rate	•			
Recuperative Rate				
Wear Tolerance	in the second			
Heat Stress			•	
Drought Stress			•	
Cold Stress				
Disease Incidence			•	

· Fairly strong relationship based on available research.