

New Systematic Chemicals Need Careful Attention

Iowa Golf Course Reporter

If what the researchers say about systematic fungicides is true, most of us need to take a broader view of their usage than we now have. Joe Vargas of Michigan State and Richard Smiley of Cornell have done considerable research on the systemics and their writings are covered in brief here.

- 1. Systemics do not control all diseases, in fact are quite selective.
- 2. They control dollar spot very well and do a good job on stripe smut and Fusarium blight.
- 3. They are not effective against Pythium and Helminthosporium and quite a number of others. Brown Patch is questionable.
- 4. Fungal organisms can develop a resistance to the systemics, so should not be used continually as a contact spray as repeated applications.
- 5. The most efficient use of the systemics is when they are applied as drenches and the chemical is taken up gradually through the roots. HOW? Apply and water in at once with $\frac{1}{2}$ to one inch of water.
- 6. Systemics should be used very infrequently and just ahead of expected outbreaks or just after the disease has been noted.
- A soil drench in early to mid-June and in late August or September alternated with use of contact spray material between should be a reasonable type program.
- 8. Use of LSR for early leaf spot should suffice for May. Daconil or equal should take care of early dollar spot if it shows up. You have the ball!

