

tions of 1,000 sq. ft., or fractions thereof. To 30 gals. of water we added 4 oz. of sodium arsenite. (A word of caution: use surgeons' masks over nose and mouth when working with the stuff. Also wash the hands thoroughly before putting them to your mouth to smoke, etc. These precautions are printed on the can of packaged sodium arsenite.) We connected the line from the green outlet to the pump and maintaining about 45 lbs. pressure sprayed the solution thoroughly over each plot. Each section took 30 gals. of solution but I have no way of measuring the amount of water which went with it from the water line.

Estimate 80% Kill

One operation at this proportion was enough for chickweed and yarrow leaves (not the whole plant), but not the crab. Neither was the second shot. The second shot took care of the clover in good shape. So we did 3 operations, 6 days apart. Evidence of burn shows up after 48 hours. The interval of 6 days gives the bent a chance to recover before the next shot. At an inspection by Fred Grau of the Penn State agricultural extension service, after the whole job was done, he estimated that we had about an 80% kill of the crab grass and 15% burn of the bent. This proportion will not kill silver crab nor yarrow plants.

On two greens which were more infested than the others, we cast caution to the winds and burned everything. After 10-days we reseeded with a Darmil seeder, got germination in 7 days, cut on the 12th day and opened both greens for play in 3 weeks. The other greens were reseeded with the Darmil, topdressed, fertilized and watered daily throughout germination and left in play during the entire treatment. There is a possibility that I didn't get at the crab grass early enough. It is thought that the best time would be at the two-and three-leaf stage of the crab and if done at that time the solution could contain considerably less sodium arsenite. Some of the crab appeared to be seeding when we hit it, so there may be some germination next year. However, we think we got enough so that routine hand-weeding will keep the greens clean next season.

There are two or three rules which it is advisable to follow in using the arsenite. It works best when the temperature is below 75 degrees F.; on a cloudy day; when the grass leaves are dry; when

the grass is not cut or watered for 48 hours after each application. Always use a mask and wash thoroughly after using. In reseeding I can't recommend too highly the use of the Darmil seeder. It puts the seed in the ground where it belongs. A light topdressing with fertilizer mixed with it, and light sprinkling daily until the new grass is well up, and you'll have turf of which you can be proud.

Now this method of treatment suited my immediate needs perfectly, but it might not work for somebody else. In fact, when I wrote Fred Grau that I had used 4 oz. three times, he hot-footed it down here from Penn State expecting to find me completely burned out, but he was pleasantly surprised and gave me a clean bill of health. As I said before, I wouldn't recommend the use of sodium arsenite for a weak infestation, but for a heavy one it's the most economical and efficient of any method I know. I tried spot treatment on dandelions using the same proportions and it worked fine. I used an oil can and pushed the snout into the crown and squirted. Next day—no more dandelion.

The best technical source of information on this subject that I know of is in 'Turf Culture', Vol. 1, No. 1, January, 1939, published by the USGA Green Section.

Women's Western Urges Pros to Back Its Junior Meet

WOMEN'S Western Golf Association wants the cooperation of pros in making the 1940 WW Juniors' tournament the greatest tournament of juniors ever held.

The event will be played at South Bend (Ind.) CC, July 8 to 11. All girls under 18 are eligible. There is no handicap limit, nor is it necessary for a contestant to be a member of a club. Entrants not accompanied by mothers or chaperons are guaranteed free billeting, breakfasts and transportation to and from the club.

Many pros have girl pupils whom they believe would shine and delight in this event, so the Women's Western officials ask that the pros advise the youngsters' mothers of the competition and suggest attendance.

Miss Edna Lennox, publicity chairman, WWGA, 510 N. Euclid Ave., Oak Park, Ill., will gladly supply any additional information desired, to pros or parents of prospective entrants.