

all summer, getting only 2" per month - that 2" in only a very little at a time (periodically), like .05 of an inch and dries in a very short time. So, therefore, I have just completed a new irrigation system with fully automatic for greens, tees, green banks, and approach areas and areas like fairways and roughs and between we have quick coupling system, when we must have water and get it through our clay soil. Here sometimes the cracks are large enough for you to put your foot into it, so you see it's "feast or famine".

Weed control can be accomplished here and I am determined to do it. We have rebuilt 13 greens since I was first appointed here in 1970. My second phase was a complete irrigation system and my third phase is weed control and fairway renovation. Then I must travel to new pastures that's for sure.

My greens are verti-cut once a week, topdressed lightly every two weeks and a liquid program for all the greens every 7 to 10 days all year round. Fairways, tees, aprons, banks, roughs are fertilized 4 times a year, with new irrigation it may increase a bit until I get all my fairways in Bermuda then go back to my required 4 applications per year. Again I repeat, rain fall on all courses is different, even though only a few miles apart. Oahu C.C. 180" - Waialae C.C., 21"-25" and the west side of the Island 4" to 6" per year.

Budgets here in the finer courses including the resort courses, go from \$300,000.00 to \$600,000.00. Labor is 70% of the budget. Some of the \$600,000.00 budgets are mostly supplies and fertilizer. Some of the resort courses use \$80,000.00 to \$100,000.00 for fertilizer and chemicals. At Oahu C.C. I spend \$32,000. We also spray all trees for insects and fertilize all trees twice a year.

Some of the \$600,000 budgets on courses, labor is covered with 80% of 300,000.00. But all in all we do have a beautiful area here, the weather is fine and it does get cold in the rainy season. Our temperature can drop from 72 average to 58-60 and Bermuda grasses then grow slowly. We had a dry summer, high humid days. Very little trade winds which is quite regular. Now it's Oct 5, and we are getting temperature 72°-91°. I wish to mention that we have started an organization "Golf Course Superintendents Association of Hawaii" of which I am the president. All forms have been sent to the National Association and we are waiting to be accepted. Mr. J. Bentivegna is secretary, Mr. B. Moulder is treasurer, Mrs. E. Caranci is executive secretary. It is all coming along really well.

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December 9 - Northern California Turfgrass Council Industry Awards Program at Spenger's, 1919 Fourth Street, Berkeley. Advance Reservation deadline Friday, December 3