

discrepancy may result from differences in plant populations. In a recent local survey we found that most fields had a population of 15 to 75 thousand bean plants per hectare associated with 20 to 45 thousand corn plants. Our results were obtained at a population of 250 thousand plants per hectare, the recommended population for bean monoculture. The low populations in commercial plantings probably eliminates competition between plants, maintaining mixtures.

(\*) Fitotecnia Latinoamericana 8 (1): 77-84, 1972, and BIC Annual Report 15: 94-97, 1972.

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#### RELEASE OF DRY BEAN VARIETY, 'BAYO CHIMU'

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Twenty thousand hectares of beans are grown on irrigated land in the Peruvian coast. Varieties used are mostly of the larger sized beans. Navy bean types are grown too mainly for summer plantings. Consumer preferences are oriented toward yellow seeded beans (central and coast) and white (in small scale all over the coastal zone.). A new light-tan seeded bean, Phaseolus vulgaris L. cv. 'Bayo Chimu' was released in 1973 by our National Bean Program for the northern coast.

'Bayo Chimu' was selected from the progeny of crosses made between a Colombian variety 'Uribe Rojo' and 'Plomo'. Progeny of this cross were carried through 5 generations of single plant selection prior to yield evaluation.

The plant is a bush type. Seed is of a large oval-round conformation; by actual weight it averages 50 grams per 100 seeds. The bean requires approximately 100 days in which to set and mature a crop. This short growing period represents an important advantage over the other "bayo" (light-tan) varieties grown in the area which takes 150 to 160 days to complete maturity. In yield tests conducted in both the northern and southern coast 'Bayo Chimu' averaged 1,500 to 2,000 kg/ha in most locations. In all these tests this bean has equaled or exceeded 'Cocacho' the commercial variety. 'Bayo Chimu' is not only 50 days earlier than 'Cocacho' but also may be planted in two seasons (spring and fall) whereas 'Cocacho' thrives only in fall plantings. 'Bayo Chimu' is tolerant to rust.

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