

Abstract

Research and development of Arabica coffee of the Royal Project Foundation and the Institute under the Integrated Research Program to enhance the productivity of Arabica coffee in highland areas. The research was conducted under three activities: 1) Collection and selection of excellent Arabica coffee varieties of the Royal Project. By gathering suitable strains for growth, yield and good taste of the Royal Project in 14 breeding and breeding sites, and planting, testing, yielding and taste testing at Inthanon Station. (Mae Ya Noi Sub-Center) and the growth of selected coffee trees from the four varieties grown in the year 2013 - 2014. The sample was selected and used as a base for Arabica coffee. Information on the selection of coffee varieties. Arabica with potency and quality of coffee. 46 samples were tested for quality, only 4 were rated for excellent quality, and 42 were for quality. 2) A good prototype study of Arabica coffee planted under the shade of the Teentok Royal Project Development Center and Pa Miang Royal Project Development Center This is a test of growing coffee under the agro-ecological system. In the second year of operation, in 2016, two coffee plants were planted in two areas, namely, the center of the coffee plantations. The coffee trees grew at an average of 15-20 centimeters. Forest is rather dense but in the center area, the coffee tree foothills grow well. The average height is 45 centimeters. The appropriate management of the garden under the pruning of the agricultural ecology, in 2016, produces an average of 3.2-4.5 kilograms of fresh coffee per plant. And 3) study the cultivation and management of Arabica coffee production under various standards. Based on an analysis of the feasibility of GAP certification. The GAP standards are in place for the purchase of Arabica coffee for the Royal Project in 2018. The fair trade standard and Rainforest alliance standard are both available. But it may not be worth the market cost, which is not worth the investment in standards. Because the area of the farm is small. It will cost you a high standard of inspection.

Keywords: Arabica coffee, Ecological agriculture system, GAP