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Soybean (Glycine max (L.) Merr.) is one of the most important leguminous crops, as it provides more than one-quarter of the world’s protein for human and animal consumption (1-3). The cultivation of soybean is increasing worldwide, resulting in a change in the global soybean production and trade (4-6). Soybean is known as a high-protein, high-oil, and high-sugar crop, which has numerous uses. Traditional fermented food uses of soybeans include soy milk, which is often served hot, and tofu, and soy sauce is used in various traditional fermented products (7).

Glycine max (L.) Merr. is a species of legume native to Asia, widely grown for its consumption as non-fermented soybeans, soy milk, tofu, soy sauce, etc. and fermented (soya milk, soya, natto, etc.) products. Soy-based foods are known to have good nutritional and functional qualities, not only due to their high protein and oil content but also because of their beneficial health effects, such as cardiovascular benefits, antiallergic effects, and anti-inflammatory effects. Soybean meal is the most important protein source used to feed farm animals. It represents two-thirds of the total world output of protein feed, including all other major oil meals and fish meal (3). The feeding value of soybean meal is unsurpassed by any other plant protein source and it is the standard to which other protein sources are compared (3,9).

The study on soybean (Glycine max (L.) Merr.) in a low-input agricultural system under salinity stress. The importance of improving agricultural production through the activities of agricultural cooperatives in Nigeria: ... ... of compaction and moisture regime on performance of rhizobium-inoculated soybean (Glycine max L.) in an alfisol of ... ... Soluble sugar is known to improve the sweetness and increase tomato sauce yield. Studies have focused on improving the sweetness of tomato fruits by using the overexpression of invertase and sucrose metabolism regulation in tomato fruits (11,12,13). The study on soybean (Glycine max (L.) Merr.) in a low-input agricultural system under salinity stress. The importance of improving agricultural production through the activities of agricultural cooperatives in Nigeria: ... ... of compaction and moisture regime on performance of rhizobium-inoculated soybean (Glycine max L.) in an alfisol of ... ... Soluble sugar is known to improve the sweetness and increase tomato sauce yield. Studies have focused on improving the sweetness of tomato fruits by using the overexpression of invertase and sucrose metabolism regulation in tomato fruits (11,12,13). The study on soybean (Glycine max (L.) Merr.) in a low-input agricultural system under salinity stress. The importance of improving agricultural production through the activities of agricultural cooperatives in Nigeria: ... ... of compaction and moisture regime on performance of rhizobium-inoculated soybean (Glycine max L.) in an alfisol of ... ... Soluble sugar is known to improve the sweetness and increase tomato sauce yield. Studies have focused on improving the sweetness of tomato fruits by using the overexpression of invertase and sucrose metabolism regulation in tomato fruits (11,12,13). The study on soybean (Glycine max (L.) Merr.) in a low-input agricultural system under salinity stress. The importance of improving agricultural production through the activities of agricultural cooperatives in Nigeria: ... ... of compaction and moisture regime on performance of rhizobium-inoculated soybean (Glycine max L.) in an alfisol of ... ... Soluble sugar is known to improve the sweetness and increase tomato sauce yield. Studies have focused on improving the sweetness of tomato fruits by using the overexpression of invertase and sucrose metabolism regulation in tomato fruits (11,12,13). The study on soybean (Glycine max (L.) Merr.) in a low-input agricultural system under salinity stress. The importance of improving agricultural production through the activities of agricultural cooperatives in Nigeria: ... ... of compaction and moisture regime on performance of rhizobium-inoculated soybean (Glycine max L.) in an alfisol of ... ... Soluble sugar is known to improve the sweetness and increase tomato sauce yield. Studies have focused on improving the sweetness of tomato fruits by using the overexpression of invertase and sucrose metabolism regulation in tomato fruits (11,12,13).