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**Produce and consume safe vegetables in households in Huai Phra community, Na San Subdistrict, Phra Phrom District, Nakhon Si Thammarat Province.**

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Huai Phra Community, Na San Subdistrict, Phra Phrom District, Nakhon Si Thammarat Province Most people work in agriculture, including gardening and growing vegetables for household consumption, and sale in the community and department stores. People in the community grow vegetables: 240 households, 145 households grow vegetables without chemicals, and 95 households grow vegetables using chemicals. Of these, 240 households consumed vegetables they grew themselves. 241 households bought vegetables from the market for consumption. In this community, some households lack knowledge and awareness about the dangers of chemical residues in vegetables. Using chemical fertilizers and herbicides in vegetable plots affects lifestyles. These include health aspects such as memory loss, infertility, and cancer; and economic such as increased household expenses for treatment. Traveling to see a doctor and household income decreased from the work stoppage and environmental impacts such as toxic residues in the soil, water, and air.

This project focuses on management to reduce the use of chemicals using biological substances, including biological fermentation water. Biocompost biological insecticides (Wood vinegar) and Hormones that boost production (Eggs mixed with fish sauce and MSG) to get safe produce that can be sold in department stores. This is because the department store inspects the quality of the produce every time the produce is sold.

The results found that people in households participating in the project had knowledge in growing vegetables without using chemicals. composting and eliminating pests by biological methods. A group was formed and a campaign was organized to encourage the cultivation of vegetables without using chemicals and the consumption of chemical-free vegetables, divided

into 4 zones, with community leaders taking care of management for safe vegetable growing, 4 people per zone. There are 20 households in each zone. They use the large demonstration vegetable plot as a learning resource for the community to use for further expansion elsewhere.

resulting in the adoption of public policy for safe vegetable production Manage an environment that is conducive to growing safe vegetables in the community. Apply community rules before selling vegetables by inspecting quality and safety and selling them in department stores and as OTOP products in the community. 2 large plots are producing prototype-safe vegetables, and 10 households producing prototype-safe vegetables. The community has learned how to manage and produce safe food for everyone. More network partners are working together, including: Na San Subdistrict Municipality Ban Phra Phraeng Subdistrict Health Promoting Hospital Phra Phrom District Learning Promotion Center Central Nakhon Si Thammarat Department Store School of Nursing Science Walailak University some foreign workers immigrated to the community and found work as laborers in the vegetable plots. and use safe vegetables to cook food for patients in the household Helps patients receive safe nutrition.