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Crop production and Weed Science

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Interdisciplinary research emphasizing on weed control on sugarcane, paddy field, cassava etc. and residual of herbicides.

- **Research for novel traits of sugarcane, cassava, pineapple and leguminous species.**
- **Serve as a base of weed control and plant protection for the faculty of Agriculture and other research units both on- and off-campus.**



Research programs

Sugarcane

- Integrated Weed Management.
- Residual of some pre and post emergence herbicide in soil

Cassava

- Integrated Weed Management
- Stability of Cover Crop to Reduce Herbicide Applications.

Ground nut

- Pre-emergence herbicides on weed control



Publications

- Pitison, P., Jutamas Romkaew, **Sarawut Rungmekarat**. 2013. Integrated Weed Management in Physic Nut (*Jatropha curcus* L.) Field for Reducing Herbicide Application. 51th Kasetsart University Annual Conference. P.433-439
- Ekkathin, P., **Sarawut Rungmekarat**, Chanya Maneechot. 2012. Integrated Weed Management in Sugarcane by Reduced Herbicide. 50th Kasetsart University Annual Conference. P.297-304
- Rungmekarat, S.**, Rungsit Suwanmakha, Jutamas Romkaew, Pruchya Akkathin, Suvat Chadkhunthod and Pornthinun Pitison. 2011. Weed Control using herbicides with tillage in Sugarcane. 49th Kasetsart University Annual Conference. P. 304-310
- Rungmekarat, S.**, Rungsit Suwanmakha, Jutamas Romkaew, Pruchya Akkathin, Suvat Chadkhunthod and Pornthinun Pitison. 2011. Soil Preparation on the Efficiency of Herbicides on Weed Control in Sugarcane. 49th Kasetsart University Annual Conference. P.709-715
- Rungmekarat, S.**, M. Itno, M. Sato, T. Takahashi, T. Natsuaki, Y. Takeuchi and K. Yoneyama. 2007. Characterization of mRNAs encoding ethylene biosynthesis enzymes in the root holoparasitic plants Orobanche. J. Pestic. Sci., 32(1) 24-31.

