

Concept Paper

The Future of Plant Protection – Risks or Chances?

AGRITECHNICA ASIA 2020

Time and Date: 14:30-16:00 pm, October 15th, 2020; during AGRITECHNICA ASIA

Location: DLG Forum, BITEC, Bangkok

Concept:

Important chemical substances, which were established in plant protection for many decades, get lost these days due to the enactment of new regulations or development of resistances. Glyphosate, Paraquat and other substances are in discussion to affect environment and health when used in agriculture or do not have the aimed effect on the target organisms anymore.

The banning or ineffectiveness of active ingredients for pesticides in agriculture is an international trend and farmers wonder how to manage their crops without the helpful actives. How to produce affordable and healthy food and fodder, if important plant protection methods are not accepted or working anymore? Which alternatives can be used to still enable efficient and cost effective agriculture?

At AGRITECHNICA ASIA 2020, we will have a look on the international trends in plant protection and invite international experts to discuss alternatives and methods to maintain efficient crop production.

Draft Program:

- 1. The actual status of Glyphosate, Paraquat & Co**
 - a. Social trends
 - b. Aims and targets
 - c. Regulatory framework

- 2. International developments**
 - a. Developments in Germany/Europe
 - i. Dr. Horst-Henning Steinmann (tbc.), Senior Scientist and Scientific Coordinator at the Centre of Biodiversity and Sustainable Land Use (CBL), Georg-August-Universität Göttingen, Germany
 - b. Developments in the US

- 3. The needs in plant production**
 - a. Sugar cane
 - b. Rice
 - c. Corn

- 4. Changes, alternatives, chances**
 - a. Market effects
 - b. Alternative weed control
 - i. Organic Weed Control – Evidence from Cambodia
Mr. Jaekel, CIM (tbc.)
 - c. Process adaption in agriculture