



“Mapping and Assessing University-based Farmer Extension Services in ASEAN through an Agro-ecological/Organic Lens”

University-based Farmer Extension Service in Myanmar

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**Chulalongkorn University,
Bangkok**

23rd February 2017

YAU was founded on 22nd December 1924 as “Burma Agricultural Collage & Research Institute”



LOCATION



- Near Yezin village, Nay Pyi Taw
- Mid-Myanmar
- Transitional Agro Climatic Zone
- 283 km from Mandalay
- 410 km from Yangon



OUR VISION

**To be a prime mover of
agricultural and rural development
in Myanmar through
human resource development and
a national supplier of
scientific knowledge and technology
innovation**



OUR MISSION

**To educate and train the national human resources to
be professional agriculturists who will provide
leadership to institutions in the agricultural sector
and, in addition,
supply science and technology and contribute to
national and regional growth and development of
agriculture**



OUR MOTTO

**“DEVELOPING THE NATION THROUGH
AGRICULTURAL SCIENCE AND EDUCATION”**



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FUNCTIONS OF YAU

1. Training

2. Research

3. Extension



ACADEMIC DEPARTMENTS

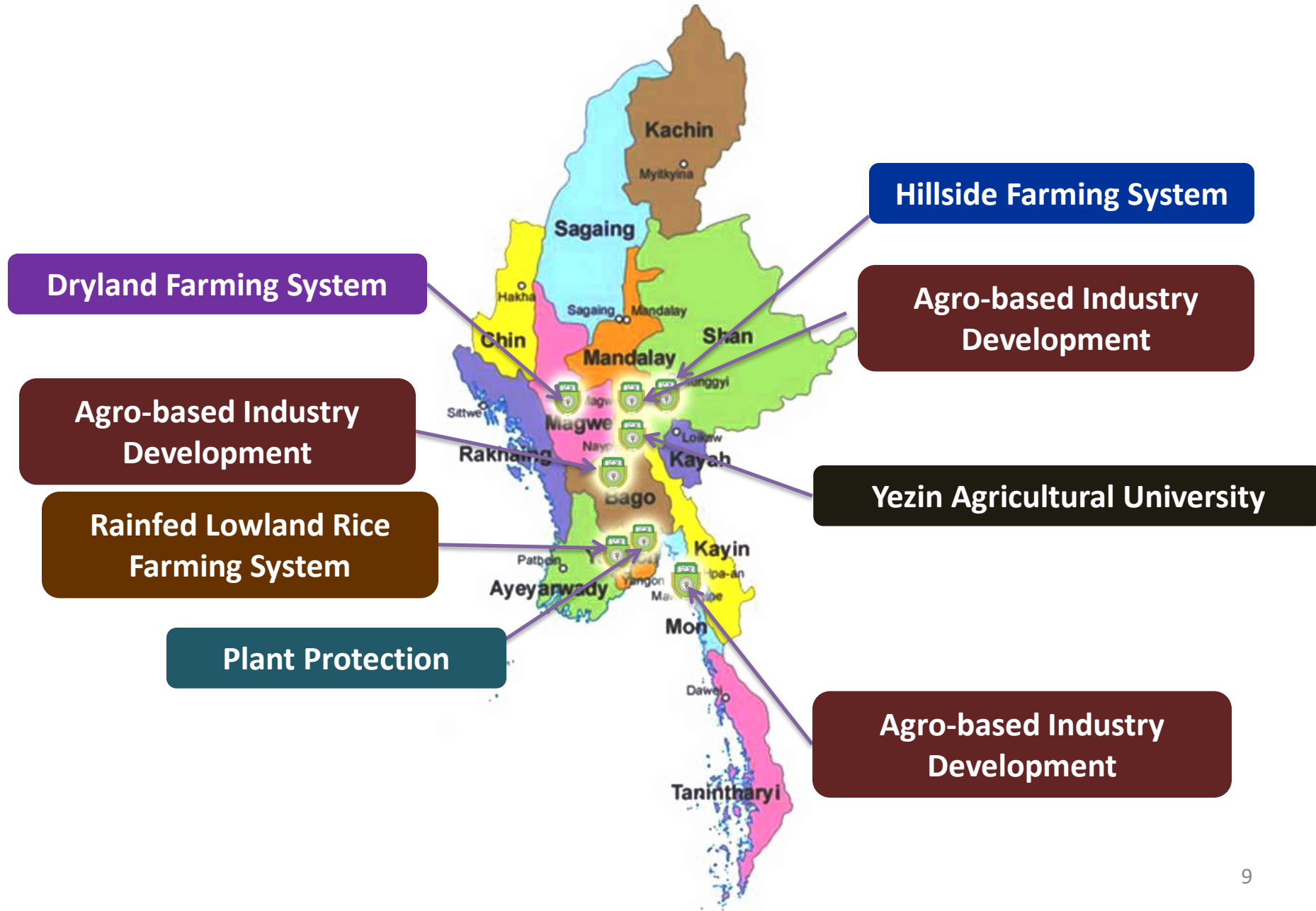
- (1) Department of Agronomy**
- (2) Department of Agricultural Botany**
- (3) Department of Agricultural Chemistry**
- (4) Department of Plant Pathology**
- (5) Department of Entomology and Zoology**
- (6) Department of Horticulture**
- (7) Department of Agricultural Economics**

- (8) Department of Animal Science**
- (9) Department of Agricultural Engineering**

- (10) Department of Myanmar**
- (11) Department of English**
- (12) Department of Physics**
- (13) Department of Mathematics**



OUTREACHED CAMPUSES OF YAU



CURRICULUM

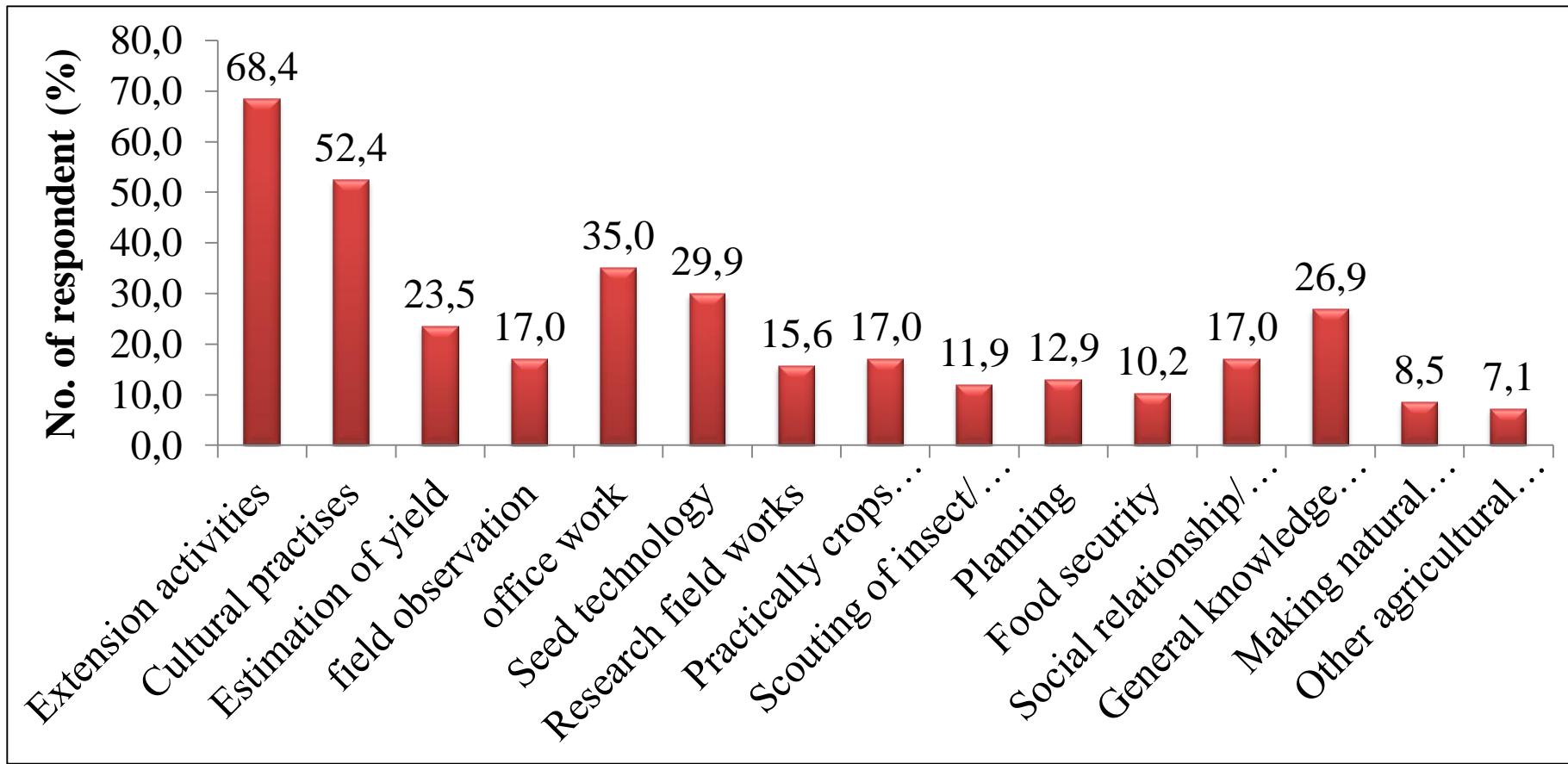
	DEGREE	RESIDENCY (YEARS)	NO. OF STUDY PROGRAM
1	B.Agr.Sc.	5	7
2	Postgrad Dip.Agr.Sc.	1.5	7
3	M.Agr.Sc.	3	7
4	Ph.D.	5	7
5	M. Phil.	2	7

Medium of instruction : English

- YAU could not able to offer extension education subject for 60 years
- The agriculture extension was taken by Agronomy Department as part of the Agronomy subject at those years
- Around 1985, AE was promoted as a separate subject for teaching under and post-graduate classes within the Agronomy subject areas
- In the near future, the AED will be established to take responsibility of teaching and production of agriculturists with extension education background.

Agricultural Extension Curriculum in YAU

- Undergraduate and postgraduate programs
- Internship program



- Institutionally, for the development and improvement of the academic aspects, the current curriculum is revising to be in line with other agricultural universities.
- Therefore, the curriculum development is also focused on biotechnology application to agriculture, food science & technology and agricultural extension.
 - Crawford fellowship - Curriculum Development for Agricultural extension (2016)
 - SEARCA - develop curriculum for Agricultural Extension (2016-2017)

Academic-Farmer Research Partnerships

- JICA Technical Cooperation Programs
- ACIAR Projects
- ACARE Project (Advanced Centre for Agricultural Research and Extension)
- SAPA (Sustainable Poultry for All)
- Action Aid



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Sustainable and Affordable
Poultry for All

Strengthening institutional capacity, extension services and rural livelihoods in the Central Dry Zone and Ayeyarwaddy Delta regions of Myanmar

- Institutional Analysis of DoA Extension Service
- Farmer Reference Group Research
- Baseline study on livelihood of Myanmar
- Train PRA methodology to Extension personnel from DoA, DAR, LBVD, DoF, NGOs, develop PRA manual for extension staff
- Train Staff from YAU, DAR and DoA – qualitative research and Nvivo Software
- Crop Benchmarking research in pulses growing area in CDZ
- Train facilitation skills - Extension Personal from CDZ
- Empower rural women in CDZ, Gender Analysis



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PRA Training and
field trip



Increasing productivity of legume-based farming systems in the Central Dry Zone of Myanmar



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➤ On-farm trials

Evaluation on Performance of Pigeonpea (*Cajanus cajan* L. Millsp.) Varieties in Central Dry Zone, Myanmar

➤ Communication channels used by pulses growers in CDZ of Myanmar



Sustainable and Affordable Poultry for All (SAPA) Project

- Baseline study
- Corn on-farm trials, Demonstration plots and field day
- Train corn GAP to 2500 corn farmers until 2020



On farm trials in CDZ

- Effect of seed rates on yield and yield components of three varieties of chickpea (*Cicer arietinum* L.) in Seikphyu township, Magway region
- Evaluation on agronomic performance of cowpea (*Vigna unguiculata* L.) varieties at Seikphyu township, Magway region
- Evaluation on performance of chickpea (*Cicer arietinum* L.) varieties at Seikphyu township, Magway region

- ❖ In collaboration with IARI, India, YAU is planning to establish 4 village knowledge centers in rice and pulses growing areas (Nay Pyi Taw and Mandalay region)
- ❖ Knowledge Management in ACARE (ICT)



YAU is more emphasis on teaching and training of YAU graduates as extension agents rather than directly deals with agricultural production and farmers.



YAU is involved in doing extension education with farmers

- by giving training related to crop management,



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conducting on-farm trials



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broadcasting farmer channel

MEDIA PRODUCTION OF YAU

“FARMERS CHANNEL”



Yezin Agricultural University provides the knowledge and technical support for agro-ecology and organic farming or food systems in its respective departmental curriculum.

Researches on agro- ecology, organic farming and food systems are conducted by the faculty and students in the specific areas of

- organic fertilizers,
- Residual management
- systematic rice intensification (SRI),
- alternative wet & dry system (AWD) and
- integrated pest management (IPM)

Activities related to Agro-ecology/ organic farming in YAU

- Composing pilot plant from vegetable waste
- Vermiculture
- Train students and farmers



Research Grants on the topic of Organic agriculture or Agro-ecology

➤ Soil conservation or conservation agriculture

Research grant from EEPSEA-worldfish



RETA 8163: Implementing the GMS CASP: Final Evaluation
Report _ December 2016, Myanmar



GREATER MEKONG
SUBREGION
CORE AGRICULTURE
SUPPORT PROGRAM

Zi Myint, Nyein Nyein Htwe and Yin Mar Soe

Yezin Agricultural University

Nay Pyi Taw

- **Evaluation of Climate-Friendly Agriculture (CFA) Project Sites**
- **Evaluation of Nitrogen Cycle Management (NCM) Project Sites**
- **Evaluation of Green Water Management (GWM) Project Sites**
- **Evaluation of Participatory Guarantee System (PGS) Projects Sites**
 - **Social, Environmental and economic impact and marketing**



The 10th Agricultural Research Conference on

“Climate Resilient Agriculture”



Impact of Climate Change on Livelihood Assets in Farming Community

Nyein Nyein Htwe (Ph.D)

Associate Professor

Department of Agronomy

Yezin Agricultural University,

Nay Pyi Taw

11 January 2017

Challenges and Opportunities

Challenges

- **No Agricultural Extension Department**
- Insufficient number of highly qualified new generation specialized in Agricultural Extension and Agroecology
- Need to aware of university based farmer extension service by teaching staff of YAU
- Improvement and upgrading of infrastructure
- Acquisition of Lab equipment and facilities
- Unorganized research team from different disciplines

Challenges and Opportunities

Opportunities

- New organization set up
- Outreach campus from various agro-ecology zones
- Collaboration with International and national organizations
- Broadcasting Farmer Channel to dissemination of Agro-ecological practices
- Village knowledge centres

Needs for Curriculum Development and Activities

- Development of new and improvement of curriculum based on agro-ecological zones in different areas of study
- In- country trainings
- Short-term trainings
- Long term trainings (Post graduate courses)
- Strengthen laboratory equipment and skillful technicians

Conclusion

- **Yezin Agricultural University (YAU), only one higher agricultural educational institution in Myanmar**
- **Main producer of human resources for the agriculture and relevant sectors**
- **Contributing to agro-ecological or organic agriculture, teaching, research and extension activities in some extent**
- **To upgrade on teaching, research and extension activities and capacity building of YAU staffs, we would like to sincerely request for further contribution and support from all agencies and program both regional and international.**

THANK YOU

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