

TRANSFER AND ADOPTION OF FERTILIZER BEST MANAGEMENT PRACTICES: FROM BASICS TO INNOVATIVE APPROACHES

MARCH 16-17, 2015 IFA – FAI NATIONAL SEMINAR NEW DELHI, INDIA



ATLAS FERTILIZER CORPORATION

- Oldest existing NPK-NP-NK fertilizer manufacturing and distribution company in the Philippines
- Controls minimum 42% of the DOMESTIC NPK-NP-NK market
- Member of the SOJITZ Fertilizer Group, Tokyo, Japan
- Sister companies are the Thai Central Chemical Corporation (TCCC) of Thailand and Japan Vietnam Fertilizer Co. (JVF) of Vietnam
- Will be celebrating 58 years of CULTIVATING LIFE & ENHANCING THE SOIL by October 10, 2015



MAJOR PHILIPPINE CROPS

CROPS	AREA (hectares)
Rice	4.04 M
Corn	2.66 M
Coconut	3.0 M
Banana	0.40 M
Sugarcane	0.39 M
Tobacco	0.04 M



ATLAS EXPERIENCE: OUTREACH TO FARMERS 2004 – PRESENT

- 1. ORGANIZATION
- 2. TECHNICAL SUPPORT
- 3. HOLISTIC "CHAMPION" APPROACH



ORGANIZATION

1. Mindset

- Commitment to the vision, providing fertilization technologies that will assure consistency of profitability in agribusiness
- Empowering the farmer/agripreneurs
- Innovativeness so that agribusiness is profitable
- Corporate social responsibility to educate agripreneurs is a financial asset
- Not just higher fertilizer sales



FERTILIZER BEST MANAGEMENT PRACTICES ATLAS EXPERIENCE

ORGANIZATION

2. Technically Competent

• Agronomists must be appropriately trained in the correct and updated concepts of fertilizer application

ex.: Transplanted hybrid rice (Wet Season)

➤ Basal (0-14 DAT): Apply 30%N, 100%P2O5, 50%K2O

➤ Tillering (20-25 DAT): Apply 35%N

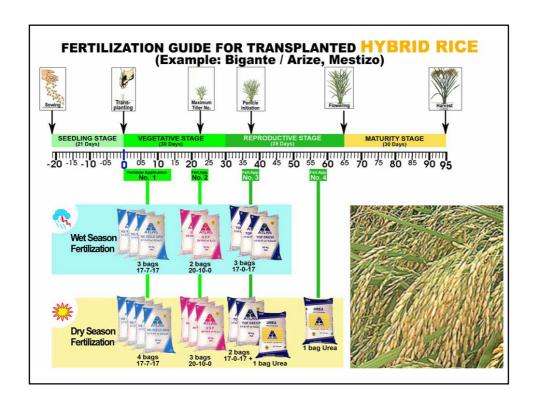
➤ Before PI (30-35 DAT): Apply 35%N, 50%K2O

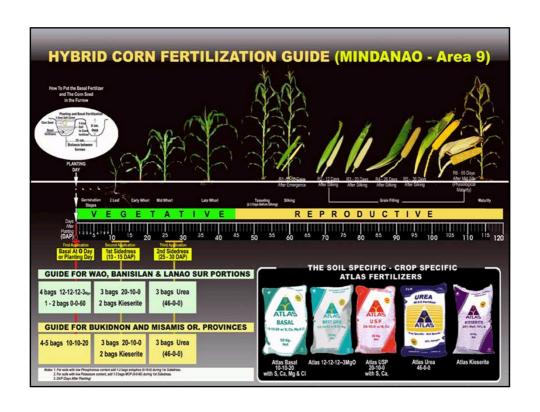
➤ Flowering (55-60 DAT): Apply additional 10%N

(optional during dry season only)

Note: Basal N should not be >30 kg

If K2O requirement is > 40 kg, splitting is recommended



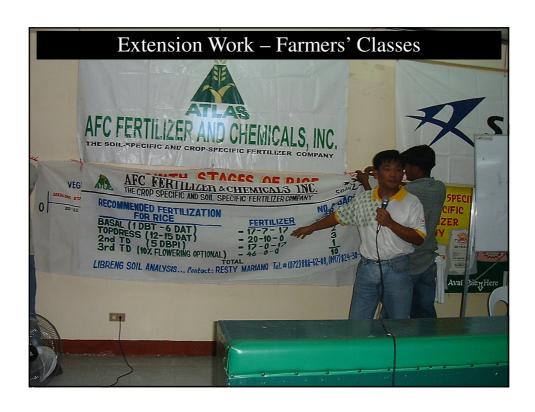




ORGANIZATION

3. Field-Based Approach

- Agronomists make use of various field-based "Gimmicks" to lure agripreneurs to attend information dissemination coupled with account servicing (one-on-one sessions):
 - Lecture sessions
 - Field trials
 - **Demonstration farms**
 - **❖** Harvest festivals
 - **❖** Free snacks/lunches with raffles
 - **❖** Coffee sessions
 - ***** Comics
 - * Radio/Television spots







ORGANIZATION

- 4. Networking with Synergistic Companies/Entities/COMPETITORS
 - Seed Producers/Chemicals Distributors/Feeds/Local Government Agriculturists/Integrated Agricultural Research Centers/Government Institutions
 - To reduce information dissemination costs, tie-ups (formal/informal) are made with Chemicals/Seed & Producers, etc, in the conduct of field activities
 - Complementation instead of competition



5. PATIENCE

-- 3 YEARS TO TEACH A RICE & CORN FARMER

-- GROWTH IS GEOMETRIC



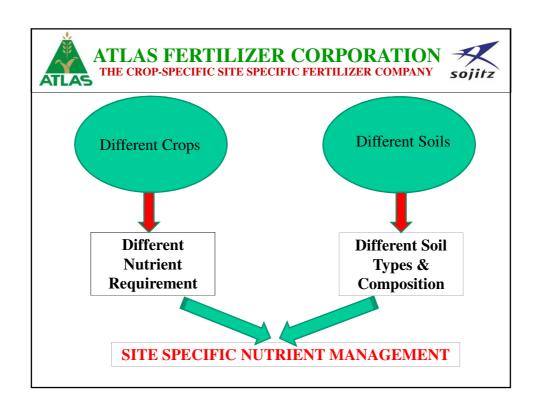
TECHNICAL SUPPORT

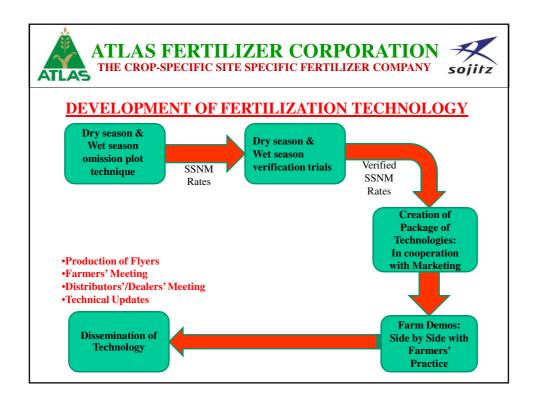
❖From trial and error approach



✓ To scientific approach







IRRI IRRI with partners developed *Nutrient* Manager for Rice to provide rice farmers with 'precise' fertilizer management Nutrient Manager for Rice Philippines Version 2.2 Used scientific principles of site-specific nutrient management (SSNM) Provided a customized recommendation for a farmer's field through **LAPTOP COMPUTERS &** IVR MOBILE PHONES **IRRI** Aimed to increase income of farmer by US\$100 per hectare per crop Rice Science for a Better World

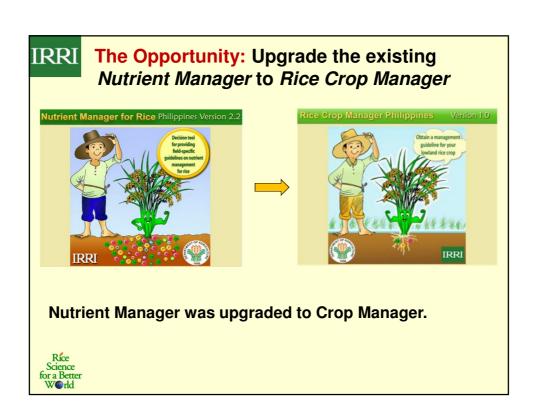
IRRI

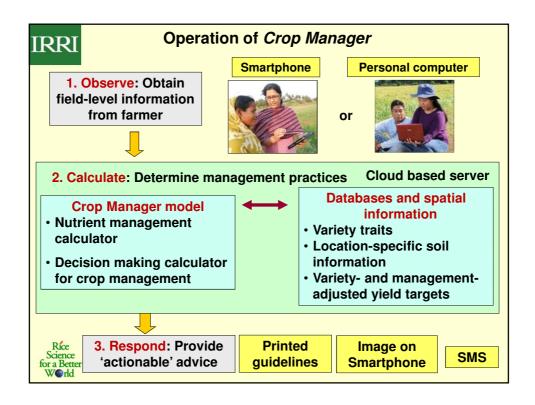
Our Approach: Use ICT (Information and Communications Technology) to deploy improved nutrient and crop management practices to farmers

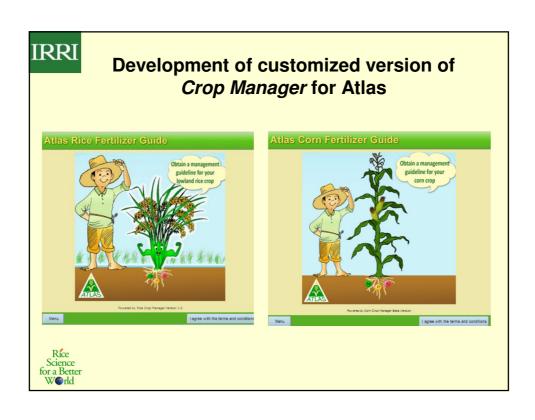
- Use results of research to develop decision tools providing field- and farmerspecific farming advice
- Use advances in ICT to deploy farming advice through computers and mobile phones.

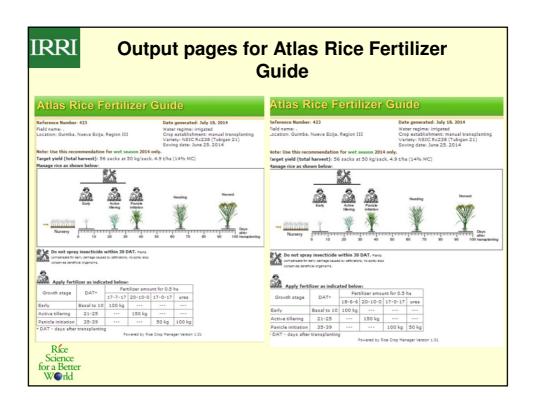


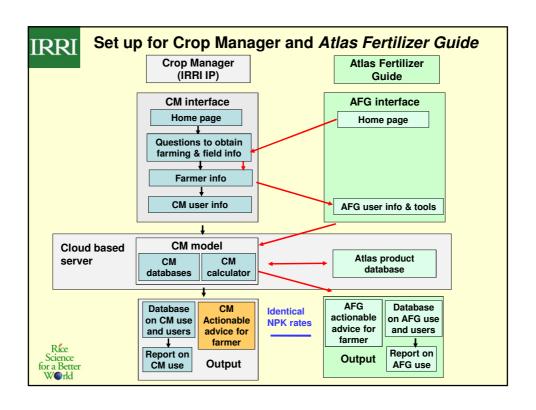


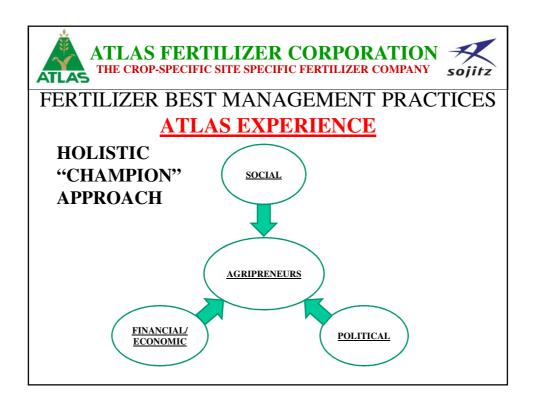














HOLISTIC "CHAMPION" APPROACH

SOCIAL:

- > Kinship
- > Financiers
- > Progressive farmers/cooperators
- **➤** Big landowners
- > Cooperatives/irrigation organizations
- > Planters associations



HOLISTIC "CHAMPION" APPROACH

FINANCIAL/ECONOMIC:

- > Local financiers
- > Distribution network (distributors/dealers)
- **➤** Grains traders
- ➤ Financial institutions (Rural Banks/ governmental institutions)



FERTILIZER BEST MANAGEMENT PRACTICES ATLAS EXPERIENCE

HOLISTIC "CHAMPION" APPROACH

POLITICAL:

- > Government agricultural programs:
 - National (i.e. hybrid rice/ bio-fuels)
 - Local (i.e. food sufficiency)
- > Funding Programs
 - Credit facilities

