

FIRST CIRCULAR



International Workshop on Water Quality Management in Agriculture

October 2008, Beijing, China

Website: <http://www.wqma.org>

Organized by:



**Department of International Cooperation, Ministry of
Agriculture, P. R. China**



Food and Agriculture Organization of the United Nations (FAO)

Hosted by:



Chinese Academy of Agricultural Sciences (CAAS)

Background

Water pollution and environmental degradation have become emerging issues in China. Water shortage and water quality deterioration are considered as the two main water-related constraints to China's economic development and social progress. About one third of the water pollution discharge in China is from agricultural production and rural livelihoods development. Major pollution source includes livestock farming, fisheries, rural domestic sewage, waste and other discharges from farmlands. Likewise, industries in some water-deficient areas and urban sewage have also seriously impacted agricultural production, and agriculture is now a composite polluter and receptor of environmental pollution and externalities. Therefore, strengthening water quality and agri-environment management from the agricultural sector is of vital importance for both water quality conservation and preservation as well as sustainable development for agriculture.

In order to facilitate a clearer understanding of institutional and policy requirements for effective water pollution control from the agricultural sector and to draw lessons from international experiences and promote the international cooperation and exchange in terms of water quality management, the Ministry of Agriculture and FAO will co-organize an "International Workshop on Water Quality Management in Agriculture" and its objectives are as follows:

1. Strengthen the capacity in quantifying and controlling water pollution from agricultural practices in China;
2. Improve the level of National Resource Management (NRM) in China;

3. Introduce theories and methods of Best Management Practice (BMP) in China;
4. Promote sustainable development and sustainable use of water in agriculture, strengthening the role of agriculture in water quality conservation, preservation and management, in particular; and
5. Help identify integrated management practices, practical lessons learned and the necessary enabling environments that will lead to sustainable water use and quality preservation.

I Themes and Topics

1. Fostering Implementation

- Estimation of water pollution loads in agriculture and water quality category and standards of control: analysis and prediction of different type and different source of water pollutants and its total loads; water quality category and standards of control for different areas and types of pollutants.
- Municipal wastewater reuse for agriculture irrigation and assessment on its impact: key technologies of municipal wastewater reuse for agriculture irrigation; water quality control and management in municipal wastewater reuse for agriculture irrigation; environmental impact and health risk assessment in municipal wastewater reuse for agriculture irrigation.
- Water-saving irrigation technology based on agricultural water pollution control: irrigation system construction for water-saving

and pollution-prevention; exploring and application of new irrigation methods and technologies.

- Technological system of clean production and typical case studies: standards for techniques of agriculture clean production; components of technical system for agriculture clean production and study of its matching technology; case studies in achieving cleaner agricultural production, etc.

2. Economic Instrument

- Ecological compensation mechanisms of water pollution control in agriculture: basic principles of payment for environmental services (PES); quantification of PES; practices in ecological compensation mechanisms.
- Market mechanisms of controlling the agricultural water pollution and water quality improvement: how to harness the market in making polluters pay; pricing to cover costs and taxing environmental externalities; optimize the economic environment to increase investment in water supply and sewage systems in rural areas.

3. Enabling Environment

- Create coordination mechanism among institutions in order to secure sustainable use of water resources: system and policies to enable local stakeholders in managing the quality of their water resource and to accommodate the diverse users of water; a platform for joint decision making/negotiation involving all stakeholder

groups;

- Improve administrative capabilities in water quality management in agriculture: water pollution supervision and law enforcement; increase awareness of pollution prevention technologies; facilitate social participation and policy advocacy and awareness.

II Workshop Arrangement

Time: Oct. 28-30, 2008

Venue: Beijing, China

Working Language: English

III Presentation and Paper

Participants are required to submit a one-page abstract typed on A4 paper.

Important Dates

Date	Event
July 31,2008	deadline for preliminary registration
August 10, 2008	deadline for abstract submission
August 20,2008	sending Workshop invitations
September 30,2008	deadline for paper submission
October 27,2008	sign-in & registration
October 28-30	Workshop

IV Workshop Schedule

1st Day: Plenary Session

09:30~10:00 Opening Ceremony

10:30~12:00 Keynote Lecture: (2 speakers, 45 min for each)

13:30~15:30 Keynote Lecture: (3 speakers, 30 min for each)

15:30~17:00 Keynote Lecture: (3 speakers, 30 min for each)

17:45 Reception

2nd Day: Parallel Session

09:00~11:30 Parallel Sessions

Session 1: Assessment of water pollution loads in agriculture and grade control standards

Session 2: Impact evolution of the municipal wastewater reuse for agriculture irrigation

Session 3: Water-saving irrigation technology based on agricultural water pollution control

Session 4: Case study on cleaner production technology

11:30~13:00 Panel Discussion

14:00~16:00 Parallel Sessions

Session 5: Ecological compensation mechanism of water pollution control in agriculture

Session 6: Market mechanism for controlling water pollution and water quality improvement in agriculture

Session 7: Coordination mechanism among institutions to secure sustainable use of water resources and water quality improvement.

Session 8: Improve government administration in water quality management in
the agricultural sector

16:00~17:30 Panel Discussion

3rd Day: Plenary Session

09:30~10:30 Plenary Session: Summary of sessions (15 min for each)

11:00~12:00 Closing Ceremony

V Participation and Registration

All participants are required to register and send the filled registration form (see Appendix 1) to the organizing committee before July 31, 2008. The registration fee will be ¥ 1800. Expenses for accommodation and transportation will have to be paid by participants themselves.

VI Method of Payment

Bank Transfer:

Beneficiary: Institute of Environment and Sustainable Development in
Agriculture, CAAS

Opening Bank: Nongkeyuan Sub-branch, Beijing Branch, Bank of
Communication.

Account Number. 060435018002144355

VII Correspondence

Please complete the attached registration form carefully and send by mail, fax or email to:

Dr. Gu Fengxue, Dr. Zhang Qingzhong

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No 12. Zhongguancun South Street, Haidian District, 100081, Beijing, China

Tel: 010-82109767, 82109571-3605

Fax: 010-82105981

Email: gufx@cjac.org.cn, ecologyouth@163.com

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Registration Form

Name: _____ **Title :** Mr. Ms

Address: _____

Tel: _____

Fax: _____

Title of paper submitted: _____

Hotel Accommodation (Yes/No): _____

Please fill the form carefully and return by fax, mail or e-mail to the following address:

Address: No 12. Zhongguancun South Street, Haidian District, Beijing

Institute of Environment and Sustainable Development in Agriculture,

Contact: Dr. Gu Fengxue, Dr. Zhang Qingzhong

Post Code: 100081

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