

Appropriate Technology

June 2011

Volume 38, No 2

ISSN 0305-0920 (Print)

ISSN 1751-6900 (Online)

Incorporating
Agriculture & Equipment
International

International Agricultural
Development

Editor

David Dixon
"Carpenters", Chetnole
Sherborne Dorset
DT9 6PF, UK

Tel: +44 (0)1935 872 695
dixon david2@sky.com

Consultant Editors

John Madeley
George Macpherson

2011 Subscriptions:

Individuals: £52 (US\$104) per annum
All other subscribers: £166 (US\$332)

Published quarterly in Britain by
Research Information Ltd
Grenville Court, Britwell Road,
Burnham, Buckinghamshire
SL1 8DF, UK

Tel: +44(0)1628 600499

Fax: +44 (0)1628 600488

info@researchinformation.co.uk
www.appropriate-technology.org

(c)Copyright 2011

No part of this publication may be reproduced or transmitted in any form or by any means, or used in any information storage or retrieval system, without the prior written permission of the publisher, except as follows: (1) Subscribers may reproduce, for local internal distribution only, the highlights, topical summary and table of contents pages unless those pages are sold separately; (2) Subscribers who have registered with The Copyright Licensing Agency Ltd., 90 Tottenham Court Road, London W1P 9HE, UK or, The Copyright Clearance Center, USA and who pay the fee of US\$2.00 per page per copy fee may reproduce portions of this publication, but not entire issues. The Copyright Clearance Center is located at 222, Rosewood Drive, Danvers, Massachusetts 01923, USA; tel: +1 978 750 8400.

No responsibility is accepted by the Publishers or Editors for any injury and/or damage to persons or property as a matter of product liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in this publication.

Advertising material is expected to conform to ethical standards, but inclusion in this publication must not be construed as being any guarantee of quality, value or safety, or endorsement of any claims made by the advertiser.

Contents

REGULAR FEATURES

- 4 **Comment: Women are best at accepting new ideas**
5 **News briefing**
9 **Health matters**
14 **Agriculture**
23 **Forthcoming**
28 **GIZ (German International Cooperation)**
33 **Broadbrush by John Madeley**
36 **Practical Action Technical Brief**
40 **Agroprocessing**
65 **Integrated pest management**
66 **Transport**
- 24 **Agroforestry**
Subsidies not the only answer for Malawi's farmers
Farm trees key to future development
- 31 **Forestry**
Forest folk
- 45 **Women**
The pillars of Africa's agriculture
- 47 **Microfinance**
New initiative is helping the poorest "graduate" to better lives
- 49 **Urban agriculture**
Vegetable gardens benefit the urban poor in the Philippines
- 52 **Information & communication technology**
Development messages spread with cell phone animations
Modern science needs traditional knowledge
Audio computer aids Ghanaian farmers
Higher rice production a phone call away for Filipino farmers
- 59 **Water**
Business as usual will not do
- 60 **Livestock**
Adding value to livestock diversity
Better animal health with videos
Ending cattle rustling brings animal diseases under control
- 69 **Renewable energy**
Portable solar power

The publishers gratefully acknowledge the support of regular bulk subscribers to Appropriate Technology including, Misereor, CAFOD, ITDG, Peace Corps and VSO.

Front Cover: A primary school girl in Colombia's southwestern Cauca department enjoys a meal containing Quality Protein Maize, as part of AgroSalud's drive to improve rural nutrition in Latin America.

Credit Neil Palmer (see page 9)