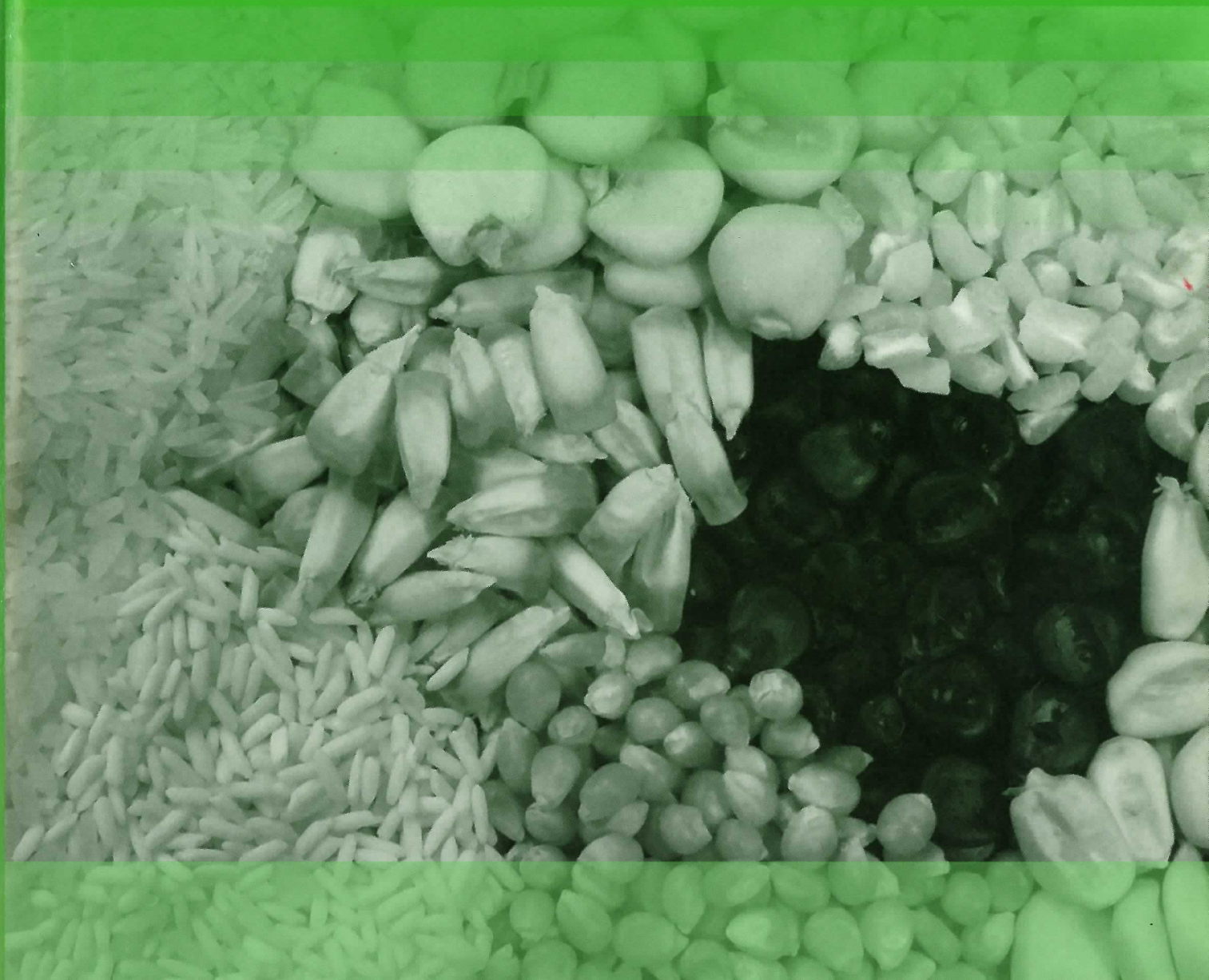


名城大学農学部
学術報告

第47号



平成23年3月
名城大学農学部

目 次

原 著

Tsunemaru OKADOME : Genus *Itomyia* and a New Species from Japan (Diptera, Lauxaniidae) 1

Yang SONG, Lihong YE, Shimao CUI, and Naosuke NII : Anatomical Development of Cell Structure Including *Phi*-thickening, Nuclei Degradation and Starch Accumulation in Root Cells in Relation to Water Stress in Siberian Apricot (*Prunus armeniaca* L.) Trees 5

道山弘康・熊崎 忠・有國真通・鈴木悠也・田村豊博・内藤裕樹・近藤 歩・平野達也：ソバ (*Fagopyrum esculentum* Moench) の胚軸の成長および生育初期の倒伏に及ぼす気温、施肥量、播種密度および光強度の影響 11

中尾義則・森田隆史・伊藤飛鳥・小屋幸勇・津呂正人・土屋照二：ニホンナシ果実におけるペクチン組成の季節的変動およびその品種間差 19

資 料

河合洋人：竹林拡大のメカニズムと地形要因の影響の解明 25

奥村裕紀：卵被膜形成機構と卵-精子相互作用機構について、ZP3 の立体構造からわかったこと (*Cell*, 143, 404-415. 2010 の解説) 35

名城大学農学部 業績紹介 (2009~2010) i

名城大学農学部学術報告第 46 号 (2010) 査読者一覧 (50 音順) viii

名城大学農学部学術報告投稿規定 (2008 年 6 月一部改正) ix

名城大学農学部学術報告執筆要領 (2010 年 12 月一部改正) x

名城大学農学部学術報告投稿原稿の送り状 xii

CONTENTS

ORIGINALS

Tsunemaru OKADOME : Genus <i>Itomyia</i> and a New Species from Japan (Diptera, Lauxaniidae)	1
Yang SONG, Lihong YE, Shimao CUI and Naosuke NII : Anatomical Development of Cell Structure Including <i>Phi</i> -thickening, Nuclei Degradation and Starch Accumulation in Root Cells in Relation to Water Stress in Siberian Apricot (<i>Prunus armeniaca</i> L.) Trees	5
Hiroyasu MICHİYAMA, Tadashi KUMAZAKI, Masamichi ARIKUNI, Yuya SUZUKI, Toyohiro TAMURA, Yuki NAITO, Ayumu KONDO and Tatsuya HIRANO : Effects of Air Temperature, Fertilizer Level, Seeding Density and Light Intensity on Hypocotyl Growth and Lodging at Early Growth Stage in Buckwheat (<i>Fagopyrum esculentum</i> Moench)	11
Yoshinori NAKAO, Takashi MORITA, Asuka ITO, Yukio KOYA, Masato TSURO and Shoji TUTIYA : The seasonal Change and the Varietal difference in the Pectins in the Flesh of Japanese Pear	19
Notes	
Hiroto KAWAI : Clarification of Bamboo Stands Expansion Mechanism and Effects of Topography on Bamboo Expansion	25
Hiroki OKUMURA : Commentary on the article "Insights into Egg Coat Assembly and Egg-Sperm Interaction from the X-Ray Structure of Full-Length ZP3 (<i>Cell</i> , 143, 404-415. 2010)"	35
List of Contributions (2009~2010)	i
List of Editors in No. 46, 2010	viii
Submission of the Manuscripts	ix
Preparation of the Manuscript	x
Invoice Form of the Manuscript	xii