

# TIBET JOURNAL OF AGRICULTURAL SCIENCES

Quarterly Publication, Started in 1977  
No. 1 Holistic Serial No. 158  
Issued in March 2018

**Honorary Chief Editor:** Nimazhaxi

**Chief Editor:** YANG Yong

**Deputy Chief Editor:** GUAN Wei-xing

**Editorial Committee:**

WANG Feng-zhong      WANG Wen-feng

WANG Jing-long      Basangwangdui

ZHANG Wen-hui      ZHANG Bian-bian

DAI An-guo      QU Guang-peng

Duojidunzhu      YAN Bao-ying

LIU Guo-yi      MU Zhen-bo

Cidun      ZHU Xia

QIAO Hai-long      CHEN Chu-hong

MIN Zhi-ping      SHEN Zhen-xi

Canmuyou      JING Tao

YAO Xiao-bo      YU Dai-ling

JI Qiu-mei      Sangbu

TANG Ya-wei      TANG Ling

HUANG Li-ying      HUANG Jie

LONG Ying      ZENG Xing-quan

ZENG Xiu-li      Dejilamu

LIAO Wen-hua      WEI Ying-chun

**Editorial Director:** GUAN Wei-xing

**Editor in Charge:** Dengzengzhuoga      Dawazhuoma

**English Editor:** Sangbu

**Department in Charge:** Tibet Academy of

Agricultural and Animal Husbandry Sciences

**Host:** Agriculture Research Institute, Tibet Academy

of Agricultural and Animal Husbandry Sciences

**Edited & Published by:**

Editorial Department of Tibet Journal of

Agricultural Sciences

**Address:**

No. 157 Jinzhu West Road Lhasa

Tibet, Autonomous Region. P. R. China

**Postcode:** 850032

**Tel:** 0891 – 6523425

**E-mail:** xznykjbjb@126.com

**Subscription:**

Editorial Department of Tibet Journal

of Agricultural Sciences

**Printed by:** Chengdu Jinhui Color Printing Limited

Company

**Distribution range:** Worldwide

**First issue:** 1977

**Publication date:** March 2018

# CONTENTS

## Specialist View

Proposals on Effective Enhancement of Highland Barley Yield and Its Industry

Development Nimazhaxi (1)

Innovative Utilization and Development Prospect of Buckwheat in Tibet

ZHOU Mei-liang (7)

## Experiment Research

Analysis of Yield and Quality Change of New Type of Wheat ‘Zang Dong No. 25’

in Different Regions of Tibet ZHANG Yong-peng (11)

Water Requirement Rules of Highland Barley in Different Sowing Time and

Irrigation Levels HOU Ya-hong (13)

Comparison Studies on New Varieties of Triticale in Lhasa City

Suolanguomu, PENG Jun (19)

Effects of Different Mulching Materials on Temperature and Humidity of Soil and

Growth and Development of Maize (*Zea Mays L.*) in Linzhi, Tibet

SHAO Rong-hua, LIU Cui-hua, WANG Gai-hua, et al. (22)

## Technology Extension

Film Mulching Cultivation Techniques of Fodder Beet in Tibet

Gusangdeji, MA Xing-bin, JIN Tao, et al. (29)

## Technology Trend

Geographic Distribution, Habitat and Analysis on Endangered Cause of *Gymnadenia*

R. Br. in Tibet YANG Chun-lei, ZHONG Zheng-chang, LUO Jiao, et al. (32)

Effect of ‘Yuanshi’ Compound Fertilizer on Growth and Yield of Spring Highland

Barley Dawazhaxi, LI Shao-feng (37)

## Literature Review

Resource Investigation of *Artemisia wellbyi* in Tibet

WANG Jing-long, SHI Rui-zhi, Renzengwangdui, et al. (40)

Application Prospect on Commodity Organic Fertilizer in Tibet

LIU Guo-yi (43)