**2016-2017年外国教材中心高等教育**

**中外教材比较研究项目**

**“引进农科原版教材对我国高校教材建设的**

**促进方式与效果研究”结题报告**

**教育部中国农业大学图书馆外国教材中心**

**2017年12月**

# 1．引言

## 1.1 研究背景

教材建设一直高校学科建设中的重要部分，我国自从1979年起在全国高校图书馆成立了9家外国教材中心，到1985年又增加了4家中心。30多年来，13家高校外国教材中心按照各自分工承担的专业类别，根据需要，通过多种渠道引进世界各国具有先进科学技术水平的理工农医各科教材，现已在全国范围内逐步积累起理工农医各科的各类专业的全面、系统、配套的外国教材体系。

在全国13家高校外国教材中心积极开展原版教材建设工作的同时，其他高校在学科建设中也同样把原版教材的引进与建设工作放在了重要的位置上，根据本校学科的需求与发展特点，在充分调研与深入分析的基础上，科学、持续地开展着此项工作。经过几十年的发展，迄今为止我国高校图书馆的原版教材馆藏总量已经具备相当的规模，原版教材的科学引进为我国借鉴发达国家的优质教学经验与教学资源提供了保障，更为提高我国高校教学质量和师资水平,培养创新高等教育人才提供了重要保证。

本课题将以农科类原版教材的引进方式和引进效果为研究对象，统计调研全国高校农科类原版教材/专著的引进现状、我国购买版权影印图书的现状以及农科类翻译版图书的现状，从内容、数量、收藏等多角度进行相关统计分析；同时对国内精品教材进行参考文献统计，并在此基础上进行原版教材对国内教材建设的促进作用与效果分析。

在综合统计与分析的基础上，本研究拟找出适合我国农科类原版教材建设工作的最佳模式，为我国农业高校进一步开展原版教材建设工作提供参考依据。

本课题由教育部高教司资助，中国农业大学图书馆“教育部农学外国教材中心”负责实施。

## 1.2 研究目的与意义

本研究将围绕全国高校图书馆的农业学科外文图书收藏现状进行调研与分析，在多维分析的基础上，对近几十年来我国农业学科原版教材引进的总体现状与发展趋势进行综合分析，同时对引进原版教材促进我国教材建设的效果进行分析，拟找出适合我国农科类原版教材建设工作的最佳模式，为我国农业高校进一步开展原版教材建设工作提供参考依据。

## 1.3 研究内容与范畴

本研究将全面统计全国高校近几十年来引进的农业学科原版教材/专著书目信息，从语种、出版年代、版次等多个角度进行量化分析；同时对购买版权、组织翻译等方式引进原版教材/专著的现状进行分析；从而深入探究并进行不同模式下引进原版教材/专著的特点与效果分析。最后再以我国普通高等教育精品教材中农科类教材为调研对象，进行引文统计及分析，进一步分析原版教材对我国教材建设的促进效果。

## 1.4 研究步骤与方法

**1.4.1 研究步骤**

（1）我国农科类原版教材/专著的引进方式及现状分析，具体内容包括：

全国高校农科类原版教材/专著建设现状调研；

我国农科类国内出版西文教材/专著（或买版权引进教材/专著）现状调研；

我国农科类翻译版教材/专著建设现状调研；

我国农科类精品教材参考文献统计调研

（2）采用统计学方法对我国农科类原版教材的建设方式及效果进行多角度分析。

（3）采用引文分析方法对我国农科类原版教材的建设现状进行分析与评价。

**1.4.2研究方法**

（1）文献研究法：通过本校丰富的文献资源和电子资源，对研究课题进行文献综合研究， 获取最新研究进展。

（2）网络调研法：通过网络调研，收集并汇总本研究所需的各种相关信息。

（3）统计分析法： 采用统计学与文献计量学方法进行原版教材对我国本土教材建设的促进效果分析与评价。

**1.4.3数据统计来源**

本研究所涉及的高校图书馆农科类原版教材/专著的相关信息来自于“CALIS联合目录公共检索系统”。CALIS联合目录数据库建设始于1997年，到2015年底，联机合作编目中心成员馆数量已达到1200余家，该数据库中的书目信息数量庞大、质量规范，是目前我国具有权威性和代表性的联合书目数据库之一。

# 2.全国高校农科类西文版教材/专著建设现状分析

 在“CALIS联合目录公共检索系统”中通过分类检索选择S（农业）大类的西文图书，得到书目记录24465条（统计时间为2017年6月15日），通过对数据逐条清洗，将数据中非西文语种（韩语、日语、阿拉伯语）的书目信息进行剔除，最后得到可使用书目数据24235条。 再对24235条可用书目数据的出版项字段进行识别筛选，获得我国国内出版的书目199条，从而可以判定这199种图书属于国内出版的西文图书。

## 2.1全国高校农科类原版教材/专著建设现状分析

**2.1.1全国高校农科类原版教材/专著出版时间分析**

在“CALIS联合目录公共检索系统”中可以检索到西文图书书目记录约200余万条，而其中根据中图分类法归属在“S”大类（农业）中的纯西文原版教材/专著为24036条，占比仅为1%，单从数量上可以看出我国高校农业学科原版教材/专著的引进数量与其他学科相比严重不足。

图1 全国高校引进农业学科原版教材/专著出版时间分布

对这24036条农业类原版图书的出版时间进行分段分析，其中明确有出版时间的书目记录为22354条，具体分布见图1。

图1显示，我国高校农业学科原版教材/专著的引进工作起步较早，几乎与我国高校农业学科的建立与发展同时，但早期的原版教材/专著的引进数量少， 1970年以前出版的图书数量在总量中占比不足10%，引进与收藏的数量规模极小，对我国自身的农业学科高等教育教材建设起不到很好的促进作用。直到上世纪70年代后期，改革开放后国家将原版教材的引进与建设提升到了战略高度，教育部外国教材中心的成立，使得原版教材的引进与建设工作真正开始发展起来。

**2.1.2全国高校农科类原版教材/专著版次分析**

高等教材及学术专著的内容与对应学科的发展是紧密联系的，即随着学科的发展很多教材或专著会在原有的基础上不断地补充、完善并修订其内容 ，也就出现了新的版次。所以在原版教材和学术专著的引进过程中，图书的版次是工作人员甄别该书质量的一个重要参考项。通过分析所引进教材/专著的版次特点，也可以从一个侧面对我们高校农科类教材/专著的建设质量进行了解。

在上述24036条农科类纯原版教材/专著的书目记录中，版次项有明确标识的为3867条，再去除错误标识与第一版标识的记录，最后剩下2988条书目记录可进行版次分析，版次具体分布及占比量见表1、图2。

表1 全国高校引进农业学科原版教材/专著版次统计（2版及以上）

|  |  |  |  |
| --- | --- | --- | --- |
| 版次  | 种数 | 版次  | 种数 |
| 2nd ed. | 1304 | 16th ed. | 6 |
| 3rd ed. | 561 | 17th ed. | 5 |
| 4th ed. | 299 | 18th ed. | 3 |
| 5th ed. | 212 | 19th ed. | 3 |
| 6th ed. | 129 | 20th ed. | 5 |
| 7th ed. | 94 | 21st ed. | 1 |
| 8th ed. | 48 | 22nd ed. | 2 |
| 9th ed. | 34 | 24th ed. | 1 |
| 10th ed. | 26 | 26th ed. | 1 |
| 11th ed. | 23 | 28th ed. | 1 |
| 12th ed. | 8 | 29th ed. | 1 |
| 13th ed. | 10 | 30th ed. | 1 |
| 14th ed. | 7 | 32th ed. | 1 |
| 15th ed. | 4 | revision | 198 |

从总量上分析，在24036条记录中，2版及以上版次的书目记录数为2988条，占比为12.43%，这个比值与数、理、化等基础学科相比应该是偏低的。因为农业学科是一门实践与理论紧密结合的学科，虽然农业本身历史悠久，但是农业科学真正迅速发展的历史并很长，所以农业学科领域的教材/专著有88%均为第1版，能够在第1版的基础上对其内容进行补充修订，再版以及连续出版的图书仅为12%。

再对2988条2版及以上版次的书目记录进行统计（图2），可以看到涉及的版次从2版到30余版都有包括，其中：2版到5版的数量占了80%,如果把revision计算在内（注：经逐一分析数据，绝大多数revision版次等同于2版），则比例为86%，10版以内的数量（含revision版次）占比为97.22%；而且在5版以上的高版次图书中，有关畜牧、兽医科学的内容要多于作物学、农艺学的内容。

图2 全国高校引进农业学科原版教材/专著版次占比统计（2版及以上）

鉴于版次对识别高等教材/专著的学术质量与出版质量有着重要的指导作用，再结合农业学科发展特点与我国引进原版教材/专著的现状，可以提出在引进农业学科原版教材/专著时，2版及以上版次都可以优先考虑。同时筛选出2010年（含）以后出版的5版（含）及更高版次的原版教材/专著书目清单137条，可供农业高校图书馆在对本馆农业学科原版教材/专著进行复选补充时进行参考借鉴。（附录1）

**2.1.3全国高校农科类原版教材/专著建设的连续性分析**

学科的发展是连续的，对应高等教材与学术专著的发展也是连续的，图书馆对于原版教材/专著的建设工作必须与学科发展、教材与学术专著的发展相匹配，保持相应的连续性。高版次的教材/专著，每一版次内容的增补点和修改点都是该相关学科领域理论知识与实践技术发展的重要节点体现，所以高校图书馆在开展原版教材/专著的建设工作时，必须特别注意高版次教材/专著的选择与收藏，这样才能为教学与科研提供持续性的文献保障服务。

通过对全国高校引进的农科类原版教材内容与版次进行比较，可以发现很多教材/专著的引进具有连续性。在2988条书目中，有373种教材/专著属于连续引进，共涉及1002条书目记录。其中有28种教材/专著的收藏版次数量在5（含）以上（表2），对这些全国高校图书馆收藏版次数多图书进行内容分析，可以明显看出其中在畜牧、兽医学科比例较大，而农业工程、林学、水产与渔业等学科几乎没有涉及。分析其原因应该有两方面，一是学科自身发展的特点使得该学科出版的教材/专著高版次数量较少；二是我国高校图书馆在农科类原版教材/专著建设工作中，由于本校的学科设置特点，使得对农业工程、林学、水产与渔业学科有所忽略。

此外，根据收藏的这些教材/专著最新版次出版时间大致将其分为两大类，Ⅰ类是指国内收藏最新版次的出版时间早于2010年，对于此类教材，应该通过OCLC或者是网络查询并确认是否还有更新的版次被遗漏，如果确认有遗漏，相关图书馆应该考虑尽量复选补充；如果没有遗漏，那么可能是由于作者个人或团队的原因，出版就此终止。Ⅱ类是指国内收藏最新版次的出版时间在2010年（含）以后，此类图书应属于连续出版过程中，图书馆在图书采选时应予以格外关注，保障收藏的连续性。

表2 连续收藏超过5个版次以上的原版教材/专著清单

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 题名 | 学科 | 涉及版次 | 出版年代 | 关注类型 |
|  | Anatomy and physiology of farm animals / R.D. Frandson ; with contributions in physiology by Elmer H. Whitten. | 畜牧 | 2,3,5,6,7 | 1974-2009 | Ⅰ |
|  | Applied animal reproduction / H. Joe Bearden and John W. Fuquay. | 畜牧 | 2,3,4,5,6 | 1984-2004 | Ⅰ |
|  | Breeding and improvement of farm animals / by Victor Arthur Rice ; with chapters on the endocrine basis of reproduction and artificial insemination by Dr. Frederick Newcomb Andrews. | 畜牧 | 3,5,6,7,8 | 1942-1990 | Ⅰ |
|  | Clinical biochemistry of domestic animals / [edited by] J. Jerry Kaneko, John W. Harvey, Michael L. Bruss. | 畜牧 | 2,3,4,5,6 | 1970-2008 | Ⅰ |
|  | Landscaping / Jack E. Ingels ; [consulting editor H. Edward Reiley]. | 园艺、园林 | 2,3,4,6,7 | 1983-2009 | Ⅰ |
|  | Natural resource conservation : management for a sustainable future /Daniel D. Chiras, John P. Reganold, Oliver S. Owen. | 环境 | 6,7,8,9,10 | 1995-2010 | Ⅰ |
|  | Practical horticulture / Laura Williams Rice, Robert P. Rice, Jr. | 园艺 | 2,4,5,6,7 | 1993-2011 | Ⅱ |
|  | Range management : principles and practices /Jerry L. Holechek, Rex D. Pieper, Carlton H. Herbel. | 草地 | 2,3,4,5,6 | 1995-2011 | Ⅱ |
|  | Soil and water conservation engineering / Delmar D. Fangmeier ... [et al.]. | 土壤 | 2,3,4,5,7 | 1966-2013 | Ⅱ |
|  | Soil science & management / Edward J. Plaster. | 土壤 | 2,3,4,5,6 | 1992-2014 | Ⅱ |
|  | The science of animal husbandry / James Blakely, David H. Bade ; [illustrations by Tom Stallman, George Taylor]. | 畜牧 | 2,3,4,5,6 | 1979-1994 | Ⅰ |
|  | Veterinary clinical parasitology / Anne M. Zajac, Gary A. Conboy. | 兽医 | 2,4,5,7,8 | 1955-2012 | Ⅱ |
|  | Veterinary pathology / by Hilton Atmore Smith and Thomas Carlyle Jones. | 兽医 | 2,3,4,5,6 | 1963-1997 | Ⅰ |
|  | Animal science and industry / Duane Acker, Merle Cunningham. | 畜牧 | 2,3,4,5,6,7 | 1971-2005 | Ⅰ |
|  | Dukes' physiology of domestic animals / edited by Melvin J. Swenson, William O. Reece. | 畜牧 | 8,9,10,11,12,13 | 1970-2015 | Ⅱ |
|  | Farm management / Ronald D. Kay, William M. Edwards, Patricia A. Duffy. | 农业经济 | 3,4,5,6,7,8 | 1994-2016 | Ⅱ |
|  | Greenhouse operation and management / Paul V. Nelson. | 园艺 | 2,3,4,5,6,7 | 1981-2012 | Ⅱ |
|  | Reproduction in farm animals / edited by B. Hafez, E.S.E. Hafez. | 畜牧 | 2,3,4,5,6,7 | 1969-2000 | Ⅰ |
|  | The pesticide manual : a world compendium /editor, C. MacBean. | 植物保护 | 6,7,9,11,14,16 | 1979-2012 | Ⅱ |
|  | Weed control handbook / edited by J.D. Fryer and R. J. Makepeace. | 草地 | 3,4,5,6,7,8 | 1963-1978 | Ⅰ |
|  | Diseases of swine / edited by Allen D. Leman ... [et al.]. | 兽医 | 2,4,5,7,8,9,10 | 1964-2012 | Ⅱ |
|  | Modern livestock & poultry production / Frank B. Flanders and James R. Gillespie. | 畜牧 | 2,3,4,6,7,8,9 | 1983-2016 | Ⅱ |
|  | Scientific farm animal production : an introduction to animal science /Robert E. Taylor, Thomas G. Field. | 畜牧 | 4，5,6,7,8,9,10 | 1992-2012 | Ⅱ |
|  | Veterinary pharmacology and therapeutics / [edited by] L. Meyer Jones. | 兽医 | 2,3,4,5,6,8,9, | 1957-2009 | Ⅰ |
|  | Diseases of poultry / edited by B.W. Calnek ... [et al.]. | 兽医 | 3,6,7,8,9,10,11,12,13 | 1952-2013 | Ⅱ |
|  | Official and tentative methods of analysis of the Association of Official Agricultural Chemists / compiled by the Committee On Editing Methods of Analysis. | 植物保护 | 3,7,9,10,12,13,14,19,20 | 1930-2016 | Ⅱ |
|  | The nature and properties of soils / Harry O. Buckman, Nyle C. Brady. | 土壤 | 7,8,9,10,11,12,13,14,15 | 1969-2017 | Ⅱ |
|  | Black's veterinary dictionary / by William C. Miller and Geoffrey P. West. | 兽医 | 6,11,13,14,15,16,17,20,21,22 | 1962-2015 | Ⅱ |

## 2.2我国农科类国内出版西文教材/专著现状分析

在“CALIS联合目录公共检索系统”中通过分类检索选择S（农业）大类得到的24465条西文图书书目记录中，通过出版项字段进行识别筛选，可以获得199种国内出版的西文图书书目信息，其中有3条书目信息中缺少出版时间，其他196条书目按照出版时间进行聚类统计，结果见图3。

图3 国内出版西文教材/专著出版时间分布统计

 从图3可以看出，国内出版西文图书在1980年以前数量极少，几乎属于个案。直到改革开放以后，国际间学术交流活动日益频繁，国内出版西文教材/专著的数量也有所增加。但在将近2.5册的西文图书中这199册的占比仅为0.8%；从1990年至今，我国出版的农科类西文教材/专著年平均为5种左右，与计算机科学、生物科学以及经济学等热门学科的出版量相比差距颇大。从中可以看出，无论是国内作者撰写还是引进原版教材进行影印出版，我国在农业学科领域西文教材/专著的出版工作非常薄弱。

从内容与出版形式上区分，我国出版的西文教材/专著则可以大致分为三种类型：（1）国内作者编著的西文教材/专著，由国内出版社出版或国内出版社与国外出版社联合出版；（2）由国内出版社购买原版教材/专著的影印版权，在国内出版发行；（3）在国内召开的国际会议论文集。将199种图书具体按上述三种出版特点进行逐一归类，统计结果见图4。结果显示：在国内出版的农科类西文教材/专著中，属于国内作者用西文撰写编著的占比为59%（117种）；其次是在国内召开国际会议，配合出版的会议论文集，占比为29%（58种）；而由国内出版社引进国外原版教材进行影印出版的数量最少，为12%（24种）。

图4 国内出版社西文教材/专著分类统计

# 3.我国农科类翻译版教材/专著建设现状分析

 在高等教材建设工作中，翻译版教材/专著有着特殊的地位，从内容上看，翻译版与原版相同，原始内容多是国外学者学术知识的凝聚与精华，都是非中文发行，且由国外出版社出版。但翻译版教材/专著经过了相关学科专家的精心翻译，最终是以中文形式呈现给国内广大读者的，所以其适用范围和受众面都要比原版教材广泛得多。

在“CALIS联合目录公共检索系统”中选择S（农业）大类的中文图书，并通过有“译”的标识进行筛选，最终得到5280条书目记录。按照原始语种大致分类统计，结果为日文636条，俄文2186条，西文（英、德、法）等2458条。

## 3.1 农科类日文翻译版教材/专著统计分析

图5 农科类日文翻译版教材/专著出版时间分布统计

 在全国高校图书馆收藏的农科类翻译版教材/专著中，日本版的比例约为12%，与俄文和西文相较占比较少。从出版年代看，1950年以后出版的占比为99%，其中1980年以后出版的占比为80%，2000年以后出版的占比约为38%。从版次上看，636条书目记录中明确标识为2版的有9条，3版1条，其余皆视为1版。总体而言，农科类日本翻译版教材内容较新，版次较低，能够对我国农业学科的发展起到一定的借鉴与促进作用。

## 3.2农科类俄文翻译版教材/专著统计分析

图6 农科类俄文翻译版教材/专著出版时间分布统计

 农科类俄文翻译版教材/专著的数量在总量的占比约为41%，远远高于日文翻译版的数量。但从出版时间的分布来看，上世纪五、六十年代出版的占比达到80%，而2000年以后的出版量仅为1%。从版次上看，书目记录中明确标识为2版的有13条，3版、4版和8版各1条；其余为第1版，占比约为99%。总体分析，我国高校图书馆现有收藏的农科类俄文翻译版教材/专著具有一定规模的数量，但出版时间较早，内容陈旧，版次偏低，已不能对我国现代农业学科的发展起到促进作用。

## 3.3农科类西文翻译版教材/专著分析

图7 农科类西文翻译版教材/专著出版时间分布统计

 农科类西文翻译版教材/专著的数量占比约为47%，其中有极少量的德文和法文（可忽略不计），其余皆为英文。从出版时间上看，1950年以来各时间段的出版量总体分布比较均衡，其中亦有波动。从出版书目的版次上看，2458条记录中有明确2版（含）及以更好版次标识的为82条，占比约为3%，涉及到的版次从第2版到第12版。综合评价，我国高校图书馆收藏的农科类西文翻译版教材/专著数量具有一定规模，且呈现出持续稳定发展的态势；教材内容较新，且包含一些高版次优质教材/专著，能够对我国农业学科高等教学及科研发展起到较好的借鉴与促进作用。

# 4.我国农科类精品教材引文分析

原版教材的引进与建设最终目的是要借鉴发达国家的优质教学经验与教学资源，提高我国高校教学质量与师资水平，最终促进我国高校教育与科研的持续稳定发展。经过近四十年的改革开放发展，我国高校农科类原版教材的引进数量已具备一定的规模，教材建设工作也已取得了一定效果。为了更好地分析农科类原版教材建设的效果，找到其中的不足与问题，为下一步的教材建设方向与重点提供更详实的依据，本研究在对全国高校图书馆农科类原版教材/专著的数量、内容、引进模式等进行多方面分析的基础上，特别选择了我国农科类的国家精品教材进行引文分析，从而可以更深入、有效地分析原版教材对我国高等教材建设的借鉴与促进效果。

研究共选取了《2008年度普通高等教育精品教材书目》、《2009年度普通高等教育精品教材书目》、《2011年普通高等教育精品教材书目》、《第一批“十二五”普通高等教育本科国家级规划教材书目》、《第二批“十二五”普通高等教育本科国家级规划教材书目》五个批次的高等教材书目，并统一按照中图分类法的标准进行分类，得到农业类（S大类）教材书目86条（种），由于条件所限，最终获得了68种教材样书，并对其进行引文统计。

图8 引文文献中西文图书的出版时间分布统计

通过对68种精品教材的所有参考文献进行数量统计，共得到引文总量7238条，再对这7238条引文的文献类型进行逐一识别筛选，属于西文图书的引文为422条，去重后最终得到外文书目395条（种）。对这395条书目的出版时间版次进行统计（图8），可以看到在我国农科类精品教材的参考文献中，西文图书的出版时间主要集中在1980年至2000年之间，也可以解释为农科类教材/专著的使用周期可以达到近20年，那么在教材建设过程中可以适当放宽选择的时间年限，尤其对一些捐赠类教材/专著，挑选时间可拓展至20~25年左右。

图9 引文文献中西文图书的版次分布

此外，统计这些参考书目的版次，可以看到2版（含）及以上版次的书目为112条（附录2），占总量的28%，其中从2版到14版均有涉及（图9）；由此可见，高版次教材/专著在我国精品教材的建设中还是起到了比较重要的作用，教材的质量应该是我们在进行原版教材建设工作时最首要的关注点。另外有23条书目的被引次数超过2次，这些教材/专著可以作为推荐书目给农业高校图书馆参考借鉴，具体书目如下：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 书名 | 作者 | 出版年代 | 版次 | 出版社 | 引用次数 |
| Animal Nutrition | Mcdonald et al | 1988 | 4 | John Wiley＆Sons,Inc, New York | 2 |
| Animal Nutrition | McDonald P,Edwards R A,Greenhalgh J F D Morgan C A | 2002 | 6 | London:Longman | 3 |
| Bioavailability of nutrients for animals | Clarence B Ammerman | 1995 | 　 | San Diego: Academic press | 2 |
| Brock Biology of Microbioorganisms | Madigan M T. | 2003 | 10 | New Jersey: Prentic Hall International Inc | 2 |
| Brock Biology of Microorganisms | Madigan M. | 2010 | 13 | San Francisco: Peaeson | 3 |
| Dietary fiber and Human Nutrition | Englyst H N and Oberleas D. | 1993 | 2 | Floride:CRC Press | 2 |
| Disease of Poultry | Calnek B W | 1997 | 10 | Ames:Iowa State University Press  | 2 |
| Environmental Soil Chemistry | Sparks D L | 1995 | 　 | San Diego: Academic Press | 2 |
| Farm Animal Welfare | Bernard E Rollin | 1995 | 　 | Iowa:Iowa State University Press | 2 |
| Floriculture Principles and Species | John M Dole | 1999 | 　 | New Jersey: Prentice Hall | 2 |
| Microbiology | Prescott,L M,J P Harley; D.A.Klein | 2002 | 5 | McGrawHill Companies,Inc | 2 |
| Modern Livestock ＆Poultry production | Jamde R Gillespie | 1997 | 5 | Florence：Delmar Publishers | 2 |
| Physiology of Temperate Zone Fruit Trees | M Faust. | 1989 | 　 | Wiley-interscience Publication | 2 |
| Plant growth regulators, agricultural uses  | Nickell L G | 1982 | 　 | Berlin Heidelberg: Springer-Verlag | 2 |
| Reproduction in Farm Animals | Hafez E S E | 1960 | 2 | USA:Lea＆Febiger | 2 |
| Reproduction in Farm Animals | Hafez E S E | 1980 | 4 | USA:Lea＆Febiger | 2 |
| Reproduction in Farm Animals | Hafez E S E | 1993 | 6 | USA:Lea＆Febiger | 2 |
| Reproduction in Farm Animals | Hafez E S E | 2000 | 7 | USA:Lea＆Febiger | 2 |
| Scientific Farm Animal Production | Taylor RE＆Field TG | 1998 | 6 | New York:Prentice-Hall | 2 |
| Soil genesis and classification | BOUL,S W | 1980 | 2 | Ames:The Iowa State University Press | 3 |
| Soil microbiology and biochemistry | PAUL E A,CLARK F E | 1996 | 2 | New york:Academic Press | 2 |
| The nature and properties of soil | BRADY N C,WEIL R R | 2007 | 14 | New Jersey: Prentice Hall.Upper Saddle River | 3 |
| Veterinary Virology | Murphy F A,Gibbs EPJ,HorzinekM C,et al  | 1999 | 3 | San Diego London: Academic Press  | 2 |

# 5.总结与建议

## 5.1 我国高校农科类原版教材建设的现状与发展

 通过对我国农业高校图书馆原版教材收藏的情况进行数量和质量的综合统计分析，可以看出从改革开放到现在，我国高校农科类原版教材的建设工作一直呈现出稳定、持续的发展态势；经过40年多年的教材研究与积累，无论我国高校图书馆收藏的农科类原版教材无论是数量还是质量都具有了相当的规模。农科类原版教材的引进与建设，对推动我国农业学科本土教材的建设，提高农业高校教学质量，促进我国农业高等教育与科研的发展起到了积极的作用。

根据方式的不同，可以将原版教材的引进与建设工作大致分为三种类型，其各具特色与效果。

第一种是直接引进，这种方式也即是高校图书馆传统概念上的“原版引进”。其特点是工作人员随时关注原版教材/专著的出版发行情况，根据需要直接通过代理商从国外引进，时效性强，可以给读者提供最新的文献资源保障。缺点就是无论印刷版还是电子版，原版教材/专著的价格都非常昂贵，印刷版的农业学科原版教材/专著平均价格在800元/册左右，电子版的平均价格也要到300元/种。面对原版教材/专著的昂贵价格，很多经费紧张的图书馆无力购买所需资源。而且由于价格因素的限制，绝大多数图书馆在引进印刷型原版教材时所购复本数均为1，从而使得受众面有限，教材的使用推广范围有限。

为了保障原版教材建设工作的持续发展，就需要保证并加大相应的经费投入，图书馆工作人员则需要准确把握学科发展的动态与趋势、了解本学科领域的权威教材与精品教材出版信息，从而做到引进真正优质、精品的原版教材。

第二种引进原版教材的方式是由国内出版社购买原版教材的版权，在国内影印出版。这种引进教材方式的特点是由出版社负责并参与，选择国外经典、权威的教材，购买影印权在国内出版发行，在保证引进教材内容完全没有变动的基础上能够大幅度降低了图书的价格，也同时扩大了教材的使用范围。从2001年底加入WTO组织以来，我国购买版权引进原版图书的数量在持续增长，但内容更多集中在英语学习、文学读物、计算机科学以及生命科学等领域，据统计在农业学科购买版权引进原版教材/专著的数量极为有限。与纯原版教材相比，影印版教材价格只是原版价格的三分之一左右，价格的优惠使得影印版教材有着更广阔的市场，更能为广大的读者提供服务。针对农业类的原版教材/专著，相关管理部门应该给予关注，尤其是对一些国内已有连续收藏的高版次教材，需要有组织、有目标地进行出版信息的跟踪，同时有关出版社也应该担负起引进优质原版教材版权的责任。

第三种方式则是由相应学科的专家对原版教材进行翻译出版，这种方式应该属于一种较深入的引进方式，从内容上看是原版教材的翻译。为了保证翻译后内容的准确性以及可读性，所以对翻译人员的专业水平和英语水平有着非常高的要求。原版教材的翻译工作是一件耗时、耗力的工作，需要出版社、学科专家以及图书馆多方共同努力。由于翻译工作耗时较长，所以在选择待翻译的教材时要考虑其内容的更新速度，尽量选择更新频率较慢、可使用时间较长的系列经典教材进行翻译出版。一些更新速度过快的教材则不宜进行翻译引进，以免造成新翻译出版就已经过时的现象，浪费人力和物力。从调研结果来看，建议出版社选择版次更新频率在5年以上、且已连续出版的优质经典教材进行引进翻译。

## 5.2 我国高校农科类原版教材建设的问题与建议

原版教材的建设工作是高校图书馆文献资源建设的一项重要内容，是借鉴国外先进的科学技术、促进我国高等教学与科研发展的重要保证。通过对我国高校图书馆联合目录里西文图书的统计分析，可以看出我国高校农科类原版教材的引进与建设工作虽然已取得了一定的成效，但还存在一些显著问题亟待解决。从我国高校图书馆西文图书收藏的学科分布上看，农科类原版教材/专著的数量在22个大类中占比偏低，仅为1%左右。我国作为世界农业大国，农业科学技术的发展远落后于发达国家，因此加强农业类原版教材/专著的引进，对于借鉴学习国外先进科学技术，促进我国农业学科的发展有着重要的作用。

做好农业类原版教材的建设工作，需要多方面的共同努力。首先是应该加大对农业学科原版教材建设的重视与投入，在政策及经费上都予以支持。图书馆则需要做好原版教材的调研与分析工作，要了解本学科领域的学术发展趋势，掌握优质教材的出版信息，对连续出版的高版次教材能够进行有效跟踪，从而保证引进教材的质量，充分发挥经费的使用效率。对于已经引进的原版教材，图书馆还需要加强宣传与推广工作，提高教材的利用效率。

其次，从教材的引进与出版角度来看，原版教材虽然时效性最强，但是其国际化的价格很难在国内普及，尤其是专业性很强的原版高等教材及学术专著，目前基本是由高校图书馆和科研机构的图书馆进行收藏建设，教师和科研人员个人购买的数量较少。在这个问题上，出版社和图书进出口公司应该担当起相应的责任，加强并做好影印教材和翻译版教材的建设工作，以促进原版教材能够更好地普及与推广。

最后，从教材建设的发展趋势来看，原版电子教材的引进势在必行。电子教材的特点便于管理，没有时间与空间的限制，方便读者使用，同时也方便通过文献传递扩大教材的使用范围，在不侵犯知识产权的基础上可以为更多的校外读者提供服务。电子教材在引进上的显著特点则是需要规模化与持续化建设，数量过少的电子教材容易被淹没在众多的电子资源中，最终失去生命力。目前，农科高校可以借助外国教材中心与DRAA联盟的平台，积极开展电子教材的调研与引进工作。

**附录1 ：2010年以后出版的高版次图书清单（第5版及以上版次，共137条）**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **序号** | **题名** | **责任者** | **版本** | **出版项** |
| **1** | **A handbook for the sheep clinician / Agnes C. Winter and Michael J. Clarkson.** | **Winter, Agnes C.|Clarkson, M. J.** | **7th ed.** | **Oxfordshire : CAB International, c2012.** |
| **2** | **A handbook for veterinary physician / V.A. Sapre, N.P. Dakshinkar.** | **Sapre, V. A.|Dakshinkar, N. P.** | **17th rev. and enlarged ed.** | **New Delhi : CBS publishers & Distributors Pvt. Ltd. , 2013.** |
| **3** | **Adams and Stashak's lameness in horses / [edited by] Gary M. Baxter.** | **Baxter, Gary M.|Adams, O. R.** | **6th ed.** | **Chichester, West Sussex ; Ames, Iowa : Wiley-Blackwell, 2011.** |
| **4** | **Agricultural and hydrological applications of remote sensing / editor, B.T. Sharma.** | **Sharma, B. T. ,** | **Revised edition.** | **London : Koros, 2014.** |
| **5** | **Agricultural mechanics : fundamentals & applications /Ray V. Herren.** | **Herren, Ray V.** | **6th ed.** | **Clifton Park, NY : Delmar, Cengage Learning, c2010.** |
| **6** | **Agricultural mechanics : fundamentals and applications /Ray V. Herren.** | **Herren, Ray V.** | **7th ed.** | **Australia : Delmar, c2015.** |
| **7** | **Agriscience : fundamentals and applications /L. DeVere Burton.** | **Burton, L. DeVere.** | **5th ed.** | **Clifton Park, NY : Delmar Cengage Learning, c2010.** |
| **8** | **Agriscience : fundamentals and applications /L. DeVere Burton.** | **Burton, L. DeVere,** | **Sixth edition.** | **Standford, CT, USA : Cengage Learning, [2015 ]** |
| **9** | **Analytical chemistry / Gary D. Christian, University of Washington, Purnendu K. (Sandy) Dasgupta, University of Texas at Arlington, Kevin A. Schug, University of Texas at Arlington.** | **Christian, Gary D. ,|Dasgupta, Purnendu K. ,|Schug, Kevin,** | **Seventh edition** | **Hoboken, N. J. : John Wiley and Sons, Inc. , [2014 ]** |
| 10 | Anatomy of the horse / Klaus-Dieter Budras ... [et. al.]. | Budras, Klaus-Dieter. | 6th ed. | Hannover, Germany : Schlütersche, c2011. |
| 11 | Antimicrobial therapy in veterinary medicine / editors, Steeve Gigu猫re, John F. Prescott, Patricia M. Dowling. | Gigu猫re, S.|Prescott, John F. 1949-|Dowling, Patricia M. | 5th ed. | Ames, Iowa : Wiley-Blackwell, 2013. |
| 12 | Applied pharmacology for veterinary technicians / Boyce P. Wanamaker, director (retired), Veterinary Technology Program, Columbia State Community College, Columbia, Tennessee, Kathy Lockett Massey, LVMT, Veterinary Technology Department, Columbia State Community College, Columbia, Tennessee. | Wanamaker, Boyce P. ,|Massey, Kathy Lockett, | Fifth edition. | St. Louis, Missouri : Elsevier, [2015 ] |
| 13 | Aroma of the world : a journey into the mysteries and delights of coffee /Elisabetta Illy ; with a preface by Santo Versace ; the exclusive recipes of GianFranco Vissani ; contribution by Andrea Illy. | Illy, Elisabetta, 1966-|Versace, Santo.|Vissani, Gianfranco.|Illy, Andrea. | English & rev. ed. | Vercelli, Italy : White Star Publishers, c2014. |
| 14 | Bacterial fish pathogens / Brian Austin, Dawn A. Austin. | Austin, Brian, 1951-|Austin, Dawn A. | 5th ed. | Dordrecht ; New York : Springer, 2012. |
| 15 | Bacterial fish pathogens : disease of farmed and wild fish /Brian Austin, Dawn A. Austin. | Austin, B. 1951-|Austin, D. A.|Ohio Library and Information Network. | Sixth edition. | Switzerland : Springer, 2016. |
| 16 | Best plants for New Mexico gardens and landscapes : keyed to cities and regions in New Mexico and adjacent areas /Baker H. Morrow. | Morrow, Baker H. , 1946- | Revised and expanded edition. | Albuquerque : University of New Mexico Press, 2016. |
| 17 | Biological anthropology / Michael Alan Park. | Park, Michael Alan. | 7th ed. | New York : McGraw-Hill Humanities / Social Sciences / Languages, c2013. |
| 18 | Black's veterinary dictionary / edited by Edward Boden and Anthony Andrews. | Boden, E.|Andrews, A. H. | 22nd ed. | London : Bloomsbury Information, 2015. |
| 19 | BSAVA manual of exotic pets : a foundation manual /editors: Anna Meredith and Cathy Johnson-Delaney. | Meredith, Anna.|Johnson-Delaney, Cathy A.|British Small Animal Veterinary Association, | 5th ed. | Quedgeley : British Small Animal Veterinary Association, c2010. |
| 20 | BSAVA small animal formulary / editor-in-chief, Ian Ramsey. | Ramsey, Ian.|British Small Animal Veterinary Association. | 7th ed. | Gloucester : British Small Animal Veterinary Association, 2011. |
| 21 | BSAVA small animal formulary / editor-in-chief, Ian Ramsey. | Ramsey, Ian.|British Small Animal Veterinary Association. | 8th ed. | Gloucester : British Small Animal Veterinary Association, 2014. |
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