

Acronyms and Abbreviations

A4NH:	CGIAR Research Program on Agriculture for Nutrition and Health
AFESD:	Arab Fund for Economic and Social Development
Africa RISING:	Africa Research in Sustainable Intensification for the Next Generation
AFS:	Agri-Food Systems
AgMIP:	Agricultural Model Intercomparison and Improvement Project
AGRA:	Alliance for a Green Revolution in Africa
AIP:	Agribusiness and Innovation Platform
ALS:	Agricultural Livelihood Systems
AOCC:	African Orphan Crops Consortium
APAARI:	Asia-Pacific Association of Agricultural Research Institutions
APSIM:	Agricultural Production Systems Simulator
ARC:	Agricultural Research Corporation – Sudan
ARI:	Advanced Research Institute
ASARECA:	Association for Strengthening Agricultural Research in Eastern and Central Africa
ASTA:	African Seed Trade Association
AATF:	African Agricultural Technology Foundation
AU:	African Union
AVRDC:	World Vegetable Center
AWARD:	African Women in Agricultural Research and Development
BARI:	Bangladesh Agricultural Research Institute
BCR:	Benefit-cost ratios
BMS:	Breeding Management System
CAADP:	Comprehensive Africa Agriculture Development Programme
CCAFS:	CGIAR Research Program on Climate Change, Agriculture and Food Security
CCARDESA:	Centre for Coordination of Agricultural Research and Development for Southern Africa
CERAAS:	Centre d'Etude Régional pour l'Amélioration de l'Adaptation à la Sécheresse
CFS:	Committee on World Food Security
CIAT:	International Center for Tropical Agriculture
CIMMYT:	Centro Internacional de Mejoramiento de Maiz y Trigo
CIRAD:	Centre de Coopération Internationale en Recherche Agronomique pour le Développement
CGIAR:	Consultative Group on International Agricultural Research
CAADP:	Comprehensive Africa Agricultural Development Programme
CSV:	Climate-Smart Village
CoA:	Cluster of Activities

CoP:	Community of Practice
CORAF/WECARD:	West and Central African Council for Agricultural Research and Development
CRISPR:	Clustered Regularly Interspaced Short Palindromic Repeats
Cas9:	CRISPR associated protein 9
CRP:	CGIAR Research Program
CRS:	Catholic Relief Services
CSA:	Climate Smart Agriculture
CSIRO:	Commonwealth Scientific and Industrial Research Organisation
CWANA:	Central and West Asia and North Africa
DARI:	Dryland Agricultural Research Institute (Iran)
DC:	CGIAR Research Program on Dryland Cereals
DH:	Doubled Haploid
DIIVA:	Diffusion and Impact of Improved Varieties in Africa
DNA:	Deoxyribonucleic Acid
DS:	CGIAR Research Program on Dryland Systems
DRD:	Department of Research and Development (Tanzania)
DRYDEV:	Drylands Development Programme
ECOWAS:	Economic Community of West African States
EGS:	Early Generation Seed
EIAR:	Ethiopian Institute of Agricultural Research
EiB:	Excellence in Breeding
ELS:	Early Leaf Spot
EMBRAPA:	Brazilian Agricultural Research Corporation
ESA:	Eastern and Southern Africa
FAO:	Food and Agriculture Organization
FARA:	Forum for Agricultural Research in Africa
FIGS:	Focused Identification of Germplasm Strategy
FP:	Flagship Program
FPIC:	Free Prior and Informed Consent
FPO:	Farmer Producer Organization
FTA:	CGIAR Research Program on Forests, Trees and Agroforestry
FTE:	Full Time Equivalent
FTO:	Freedom to Operate
FB:	Forward Breeding
GAIN:	Global Alliance for Improved Nutrition
GCDT:	Global Crop Diversity Trust
GCM:	General Circulation Models
GCP:	Generation Challenge Program
GDAR:	General Directorate of Agricultural Research
GEF:	Global Environment Facility
GFSF:	Global Futures and Strategic Foresight
GG:	Genetic Gains program

GHG:	Greenhouse Gas
GIS:	Geographic Information System
GIZ:	Deutsche Gesellschaft für Internationale Zusammenarbeit
GOBII:	Genomic Open-source Breeding Informatics Initiative
GLDC:	Grain Legumes and Dryland Cereals
GL:	CGIAR Research Program on Grain Legumes
GLOBIOM:	Global Biosphere Management Model
GRDC:	Grain Research and Development Corporation
GxExM:	Genotype x Environment x Management Interactions
GMO:	Genetically Modified Organism
GS:	Genomic Selection
HIGS:	Host-induced Gene Silencing
HOPE:	Harnessing Opportunities for Productivity Enhancement
HPRC:	Hybrid Parents Research Consortium
HTPG:	High-Throughput Genotyping
IAEA:	International Atomic Energy Agency
IAT:	Integrated Assessment Tool
IAVAO:	Innovation et amélioration variétale en Afrique de l'Ouest
ICAR:	Indian Council of Agricultural Research
ICARDA:	International Center for Agricultural Research in the Dry Areas
ICRAF:	International Center for Research in Agroforestry
ICRISAT:	International Crops Research Institute for the Semi-Arid Tropics
ICT:	Information and Communication Technology
IDO:	Intermediate Development Outcomes
IEA:	Independent Evaluation Arrangement
IER:	Institut d'Économie Rurale
IFAD:	International Fund for Agricultural Development
IFPRI:	International Food Policy Research Institute
IIAM:	Instituto de Investigação Agrária de Moçambique
IITA:	International Institute of Tropical Agriculture
ILRI:	International Livestock Research Institute
IMPACT:	International Model for Policy Analysis of Agricultural Commodities and Trade
INRA:	Institut National de la Recherche Agronomique (Morocco)
INRAN:	Institut National de la Recherche Agronomique du Niger
IP:	Innovation Platform/Intellectual Property
IPG:	International Public Goods
IPGA:	India Pulses and Grains Association
IPM:	Integrated Pest Management
IRD:	Institut de Recherche pour le Développement
IRR:	Internal rate of return
IRRI:	International Rice Research Institute
ISC:	Independent Steering Committee

ISPC:	Independent Science and Partnership Council
ISRA:	Institut Sénégalais de Recherches Agricoles
CERAAS:	Centre d'Etude Régional pour l'Amélioration de l'Adaptation à la Sécheresse
IWMI:	International Water Management Institute
KALRO:	Kenya Agricultural and Livestock Research Organization
LAC:	Latin America and the Caribbean
LAPSE:	Laboratoire mixte international Adaptation des Plantes et des microorganismes associés aux Stress Environnementaux
LD:	Linkage Disequilibrium
LDSF:	Land Degradation Surveillance Framework
LIVESTOCK:	CGIAR Research Program on Livestock
LWM:	Land & Water Management
MAGIC:	Multi-Parent Advanced Generation Inter-Cross
MAIZE:	CGIAR Research Program on MAIZE
MEIAL:	Monitoring, Evaluation, Impact Assessment and Learning
MEL:	Monitoring Evaluation & Learning
MENA:	Middle East and North Africa
NARC:	National Agricultural Research Council (Nepal)
NARO:	National Agricultural Research Organization (Uganda)
NARS:	National Agricultural Research System(s)
NARES:	National Agricultural Research and Extension System(s)
NABARD:	National Bank for Agriculture and Rural Development
NEPAD:	New Partnership for Africa's Development
NGO:	Non-Government Organization
NIAB:	National Institute of Agricultural Botany (UK)
NIN:	National Institute of Nutrition
NIRS:	Near-Infrared Spectroscopy
NPV:	Net Present Value
NRM:	Natural Resource Management
OPV:	Open Pollinated Variety
PABRA:	Pan-Africa Bean Research Alliance
PBS:	Plant Breeding System
PCA:	Principal Component Analysis
MDS:	Multidimensional Scaling
PCN:	Product Concept Notes
PHL:	Post-Harvest Loss
PIM:	CGIAR Research Program on Policies, Institutions & Markets
PNSR:	Programa Nacional de Saneamiento Rural
PPB:	Participatory Plant Breeding
PVS:	Participatory Varietal Selection
QDS:	Quality Declared Seeds
R&D:	Research and Development
R4D:	Research for Development

RBM:	Results-Based Management
RCP:	Representative Concentration Pathways
RGT:	Rapid Generation Turnover
RICE:	CGIAR Research Program on Rice
RMC:	Research Management Committee
ROI:	Return on investment
RTB:	CGIAR Research Program on Roots, Tubers and Bananas
RUFORUM:	Regional Universities Forum for Capacity Building in Agriculture
RUSLE:	Revised Universal Soil Loss Equation
SAARC:	South Asian Association for Regional Cooperation
SA:	South Asia/ Southern Asia
SAMARA:	Simulator of crop trait Assembly, Management Response and Adaptation
SCADD:	Strategy for Accelerated Growth and Sustainable Development
SD:	System Dynamics
SDG:	Sustainable Development Goals
SEWA:	Self Employed Women's Association
SLM:	Sustainable Land Management
SLO:	System Level Outcomes
SLU:	Swedish University of Agricultural Sciences
SME:	Small and Medium-Sized Enterprises
SMIL:	Sorghum and Millet Innovation Lab
SNP:	Single-Nucleotide Polymorphism
SOP:	Standard Operating Procedure
SPIA:	Standing Panel on Impact Assessment
SRF:	Strategy and Results Framework
SRO:	Sub-Regional Organizations
SSA:	sub-Saharan Africa
SSD:	Single Seed Descent
SSM:	Simple Simulation Model
SSTP:	Scaling Seeds and Technologies Partnership
TARI:	Tanzania Agricultural Research Institute
TILLING:	Targeting Induced Local Lesions in Genomes
TL III:	Tropical Legumes III
ToC:	Theory of Change
TPE:	Target Population of Environments
TRIVSA:	Tracking Improved Varieties in South Asia
UGA:	University of Georgia
UK:	United Kingdom
UN:	United Nations
UNEP:	United Nations Environment Programme
US:	United States
USA:	United States of America

USAID:	United States Agency for International Development
US\$:	US Dollar
USDA:	United States Department of Agriculture
UWA:	University of Western Australia
VPD:	Vapor Pressure Deficit
YPARD:	Young Professionals for Agricultural Development
W1/W2/W3:	Window1 / Window2 / Window3
WAAPP:	West Africa Agricultural Productivity Program
WACCI:	West Africa Centre for Crop Improvement
WCA:	West and Central Africa
WHEAT:	CGIAR Research Program on Wheat
WLE:	CGIAR Research Program on Water, Land and Ecosystems
WOCAT:	World Overview of Conservation Approaches and Technologies
WSU:	Washington State University
WUE:	Water-Use Efficiency