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LIST OF ABBREVIATIONS AND SYMBOLS

L	Litter
°C	degree Celsius
AOAC	Association of analytical chemistry
AR	application rate of a chemical (fertilizer or pesticide) per unit of land
ATSDR	Agency for Toxic Substances and Disease Registry Division of Toxicology
CAC	Codex Alimentarius Commission
cm	Centimeter
C_{max}	maximum acceptable concentration of a chemical in a receiving water body
C_{nat}	actual concentration of a chemical in a water body from which water is abstracted
Cont.	Continue
CWR	crop water requirements
CWU	Crop water use
CWU_{blue}	blue crop water use
CWU_{green}	green crop water use
DHHS	U.S. Department of Health and Human Services
DOA	Department of agriculture of Thailand
E	East
EEC	European Economic Commission
EFSA	European Food Safety Authority
EPA	Environmental Protection Agency
ET_0	Reference crop evapotranspiration
ET_{blue}	blue water evapotranspiration
ET_c	crop evapotranspiration
ET_{green}	green water evapotranspiration
EU	European Union

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FAO	Food and Agriculture Organization
FC - WP	Total available soil moisture (FC - WP)
IAEA	International Atomic Energy Agency
IARC	International Agency for Research on Cancer
ICP-OES	inductively coupled plasma
IFC	International Finance Corporation, Washington, DC
IR	irrigation requirement
K_c	Crop coefficient
K_c end	Crop coefficient at the end of the late season stage
K_c ini	Crop coefficient at the initial stage
K_c mid	Crop coefficient at the mid-season stage
kg/ha	Kilogram per hectare
km	Kilometer
Ky	Yield response factor
LCA	Life cycle assessment
m	Meter
m/s	Meter per second
m^3/ha	Cubic meter per hectare
m^3/ton	Cubic meter per ton
Max	Maximum
mg/kg	Milligram per kilograms
mg/L	Milligram per Litters
mgCd/kg	Milligram Cadmium per kilograms
Min	Minimum
MJ/m^2 /day	Mega joules per square meter per day
ml	Milliliter
ML	maximum level
mm/day	Millimeter per day
mm/dec	Millimeter per decade
mm/meter	Millimeter
MP	Maximum Permissible
MSCE	Mae Sot Clean Energy
N	north

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ND	Not Detected
NTP	National Toxicology Program
PC	Plant in control site
PCD	Pollution Control Department
Peff	Effective rainfall
PP	Plant in polluted site
ppm	part per million
r	Correlation
R^2	Linear equation and values of variation coefficient
RID	Royal Irrigation Department of Thailand)
SD	Standard Deviation:
CRM	Certified reference materials
TAM	Initial soil moisture depletion (% TAM)
ton/ha	Ton per hectare
UNESCO-IHE	United Nations Educational, Scientific and Cultural Organization- International Institute for Hydraulic and Environmental Engineering
USDA SCS	Soil Conservation Service of the United States Department of Agriculture
USEPA	U.S. Environmental Protection Agency
WF	Water footprint
WFA	Water footprint assessment
WF_{blue}	blue water footprint
WF_{green}	green water footprint
WF_{grey}	grey water footprint
WFN	Water Footprint Network
WF_{proc}	water footprint of a product
$\bar{X}$	Average
Y	crop yield
α	leaching-run-off fraction, i.e. fraction of applied chemicals reaching freshwater bodies
μm	Micro milliliter

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