

## ABBREVIATIONS

%	percent
°C	degree celsius
µg	microgram
µl	microlitre
µM	micromolar
2,4-D	2,4-dichloroacetic acid
BAP	6-benzylaminopurine
bp	base pair
<i>Bt</i>	<i>Bacillus thuringiensis</i>
CaMV35S	35S cauliflower mosaic virus
cDNA	complementary deoxyribonucleic acid
cry	crystal
CTAB	hexadecyl-trimethyl-ammonium bromide
DEPC	diethyl pyrocarbonate
DNA	deoxyribonucleic acid
dNTP	2'-deoxynucleotide 5'-triphosphate
<i>E.coli</i>	<i>Escherichia coli</i>
EDTA	ethylenediamine tetra acetic acid
g l <sup>-1</sup>	gram per liter
GM	genetically modified
GUS	β-glucuronidase
ha	hectare
HgCl <sub>2</sub>	mercuric chloride
hpt	hygromycin phosphotransferase
IAA	indole 3-acetic acid
IBA	indole 3-butyric acid
kb	kilo base pair
Lac Z	β-galactosidase
LB	Luria broth
LD <sub>100</sub>	Lethal dose at 100% mortality
LD <sub>50</sub>	Lethal dose at 50% mortality
m ha	million hectares
M	molar

mg l <sup>-1</sup>	milligram per liter
ml l <sup>-1</sup>	milliliter per liter
MS	Murashige and Skoog
mt	million tones
NAA	$\alpha$ naphthalene acetic acid
ng	nanogram
nm	nanometer
nos	nopaline synthase
nptII	neomycin phosphor transferase
OD	optical density
PAT	phosphinothricin acetyl transferase
PCR	polymerase Chain Reaction
pH	negative logarithm of H <sup>+</sup> ion
PPT	L-phosphinothricin
Psi	pounds per square inch
RNA	ribonucleic acid
RNase	ribonuclease
rpm	rotations per minute
RT-PCR	Reverse Transcription Polymerase Chain Reaction
SDS	sodium dodecyl sulphate
SE	standard error
SSC	sodium chloride and sodium acetate
T <sub>0</sub>	direct transgene regenerant
T <sub>1</sub>	first generation from to self crossing
T <sub>2</sub>	second generation from T <sub>1</sub> self crossing
TAE	tris acetate-EDTA
TDZ	thidiazuron
U	unit
ubi	ubiquitin
X-Gluc	5-bromo-4-chloro-3-indolyl- $\beta$ -D-glucuronide
$\beta$ -ME	$\beta$ -mercaptoethanol