

A decorative border with a repeating floral or scrollwork pattern surrounds the page.

*Abbreviations*

: ABBREVIATIONS :

ABA	-	Abscissic acid
ADP	-	Adenosine diphosphate
ATP	-	Adenosine triphosphate
ATPase	-	Adenosine triphosphatase
aq <sub>s</sub>	-	Aqueous
BAP	-	Benzylaminopurine
°C	-	Degree Celsius
C <sub>3</sub>	-	Plant operating Calvin path of photosynthesis
C <sub>4</sub>	-	Plant operating Hatch, Slack & Kortschak path of photosynthesis
Cal	-	Calory
CGR	-	Crop Growth Rate
Chl	-	Chlorophyll
Ck	-	Cytokinin
Cm	-	Centimeter (s)
CO <sub>2</sub>	-	Carbon dioxide
<sup>14</sup> CO <sub>2</sub>	-	Radioactive carbon dioxide
CPI	-	Chlorophyll Protein Complex I
CPM	-	Counts Per Minute
Cv	-	Cultivar (s)
DM unit	-	Dry Matter unit
dm <sup>-2</sup>	-	density per square meter
DNA	-	Deoxyribosenucleic acid
DNase	-	deoxyribo nucleases
DW	-	Distilled water
EDTA	-	Ethylene Diamine Tetra Acetic Acid

EC	-	Electrical Conductivity
Fig.	-	Figure (s)
FRD	-	Fructose
F.W.	-	Fresh Weight
Ug	-	micrograms
g	-	gram
xg	-	gravity
GA	-	Gibberellic acid
H <sub>2</sub> O <sub>2</sub>	-	Hydrogen peroxide
h	-	hour (s)
Ha	-	hectar (s)
IAA	-	Indole acetic acid
IARI	-	Indian Agricultural Research Institute
ICAR	-	Indian Council of Agricultural Research
ICRISAI	-	International Crops Research Institute for the Semi Arid Tropics, A.P. India
IP	-	Inorganic phosphorus
KCal	-	Kilo calory (ies)
Kg	-	Kilogram (s)
Klux	-	Kilolux (1000 lux)
l	-	litre (s)
lb	-	Pound (s)
LAI	-	Leaf Area Index
LAR	-	Leaf Area Ratio
LD	-	Long day
L/D ratio	-	Light/Dark ratio
LHCP	-	Light harvesting chlorophyll a/b protein complex

LPI	-	Leaf Plastochron Index
$\mu$	-	micro (Prefix, $10^{-6}$ )
$\mu\text{mol}$	-	micromoles
meq	-	milliequivalent (s)
mg	-	milligram (s)
min	-	minute (s)
ml	-	millilitres
mM	-	Millimolar
mm	-	millimeter
mRNA	-	messenger RNA
N	-	Normality
NAA	-	Naphthyl acetic acid
NAD	-	Nicotinamide adenine dinucleotide
NADH	-	" " " (reduced)
NADP	-	" " " phosphate
NADPH	-	" " " (reduced)
NAR	-	Net Assimilation Rate
nm	-	nanometer
no	-	Number
$\text{O}_2$	-	Oxygen
OAA	-	Oxaloacetic acid
O.D.	-	Optical density
$\Delta$ .O.D	-	Change in optical density
PAGE	-	Polyacrylamide gel electrophoresis
PEP	-	Phosphoenol pyruvate
PEPCase	-	Phosphoenol pyruvate carboxylase
PGA	-	Phosphoglyceric acid
3-PGA	-	3-phosphoglycerate
pH	-	Negative Log of hydrogen ion concentration
$P_N$	-	net photosynthesis

ppm	-	parts per million
PS I	-	Photosystem I
PS II	-	Photosystem II
-1	-	per
%	-	percent
RGR	-	Relative Growth Rate
RNA	-	Ribonucleic acid
RNase	-	Ribonucleases
rpm	-	Revolutions per minute
RuBP	-	Ribulose biophosphate
RuBPCase	-	" " Carboxylase
SD	-	short day
SDS	-	Sodium Dodecyl Sulphate
sec	-	Second (s)
SH	-	Sulphahydryl group
SLW	-	Specific Leaf Weight
S-shaped curve	-	Sigmoid growth curve
TAA	-	Transcinnamic Acid Acceleration
TAN	-	Titrateable Acid Number
TCA cycle	-	Tricarboxylic acid cycle
+ RNA	-	Transfer - RNA
var	-	variety
v/v	-	volume/volume
wt	-	Weight
w/v	-	Weight/volume
$\alpha$	-	Alpha
$\beta$	-	Beta
$\gamma$	-	Gamma