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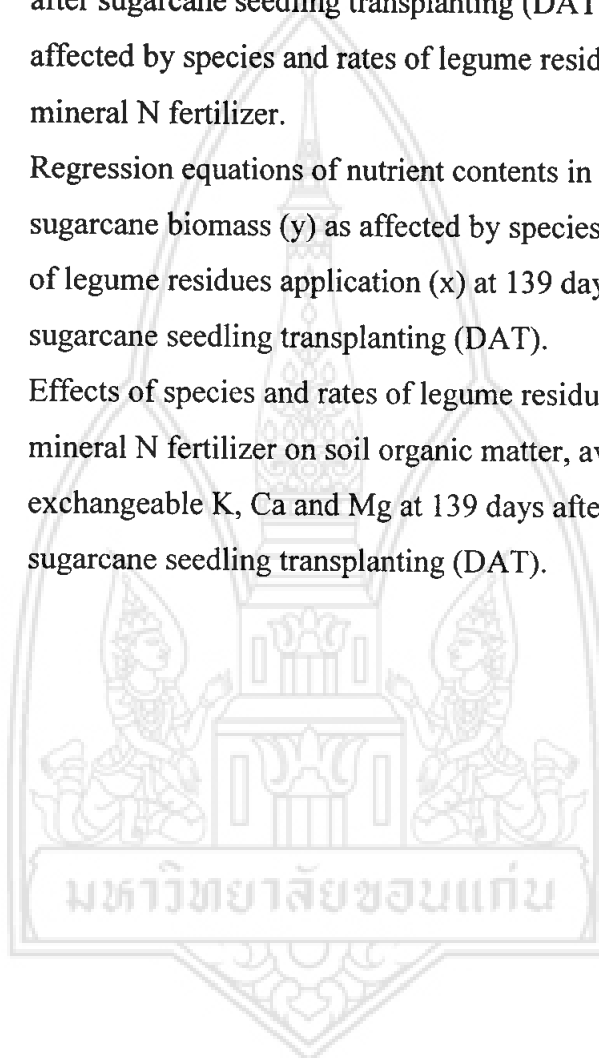
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## LIST OF ABBREVIATIONS

ADF	acid detergent fiber
AFUE	apparent fertilizer use efficiency
ANOVA	analysis of variance
ANUE	agronomic nitrogen use efficiency
ARA	acetylene reduction assay
BaCl <sub>2</sub>	barium chloride
C	carbon
Ca	calcium
ca	<i>circa</i> (about)
CCS	commercial cane sugar
cm	centimeter
cm <sup>2</sup>	square centimeter
cmol <sub>(+)</sub>	charge mole
C:N	carbon to nitrogen ratio
CO <sub>2</sub>	carbon dioxide gas
CV	coefficient of variation
DAB	days after buried bag
DAP	days after planting
DAT	days after transplanting
DW	dry weight
e.g.	<i>exempli gratia</i> (for example)
g	gram
ha	hectare
HCl	hydrochloric acid
HClO <sub>4</sub>	perchloric acid
HNO <sub>3</sub>	nitric acid
i.e.	<i>id est</i> (that is)
ICRISAT	International Crops Research Institute for The Semi-Arid Tropics

## LIST OF ABBREVIATIONS (cont.)

IEN	internal efficiency of nitrogen
K	potassium
<i>k</i>	release rate constant
K <sub>2</sub> O	potassium oxide (potash)
<i>K<sub>c</sub></i>	rate constant of C
KCl	potassium chloride (muriate of potash)
kg	kilogram
<i>kn</i>	rate constant of nitrogen
<i>kw</i>	rate constant of weight
LAI	leaf area index
LSD	least significant difference
M	molarity
m	meter
m <sup>2</sup>	square meter
Mg	magnesium; megagram
mg	milligram
mm	millimeter
ml	milliliter
N	nitrogen
<sup>15</sup> N	stable nitrogen isotope with mass number 15
N <sub>2</sub>	nitrogen gas
NaOH	sodium hydroxide
NH <sub>4</sub> <sup>+</sup>	ammonium
NO <sub>2</sub> <sup>-</sup>	nitrite
NO <sub>3</sub> <sup>-</sup>	nitrate
NUE	nitrogen use efficiency
O <sub>2</sub>	oxygen gas
P	phosphorus
P <sub>2</sub> O <sub>5</sub>	phosphorus pentoxide (phosphate)

**LIST OF ABBREVIATIONS (cont.)**

pH	power of hydrogen ion
$R^2$	coefficient of determination
SED	standard error of the difference between means
SOM	soil organic matter
t	time
w/v	weight by volume
$\mu\text{g}$	microgram

