

سامية محمد مصطفى



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



سامية محمد مصطفى



شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



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شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغييرات



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بعض الوثائق الأصلية تالفة



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بالرسالة صفحات

لم ترد بالأصل





**ADDING NPN AND SODIUM BICARBONATE TO
CORN SILAGE DIETS TO IMPROVE THE
NUTRITIVE VALUE AND RUMEN
FERMENTATION IN RUMINANTS**

By

HANY SIDHOM ESAWV MADIAN

B.Sc. Agric. Sci. (Animal Prod.)

Menoufiya University

A Thesis

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OF THE REQUIREMENTS
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OF
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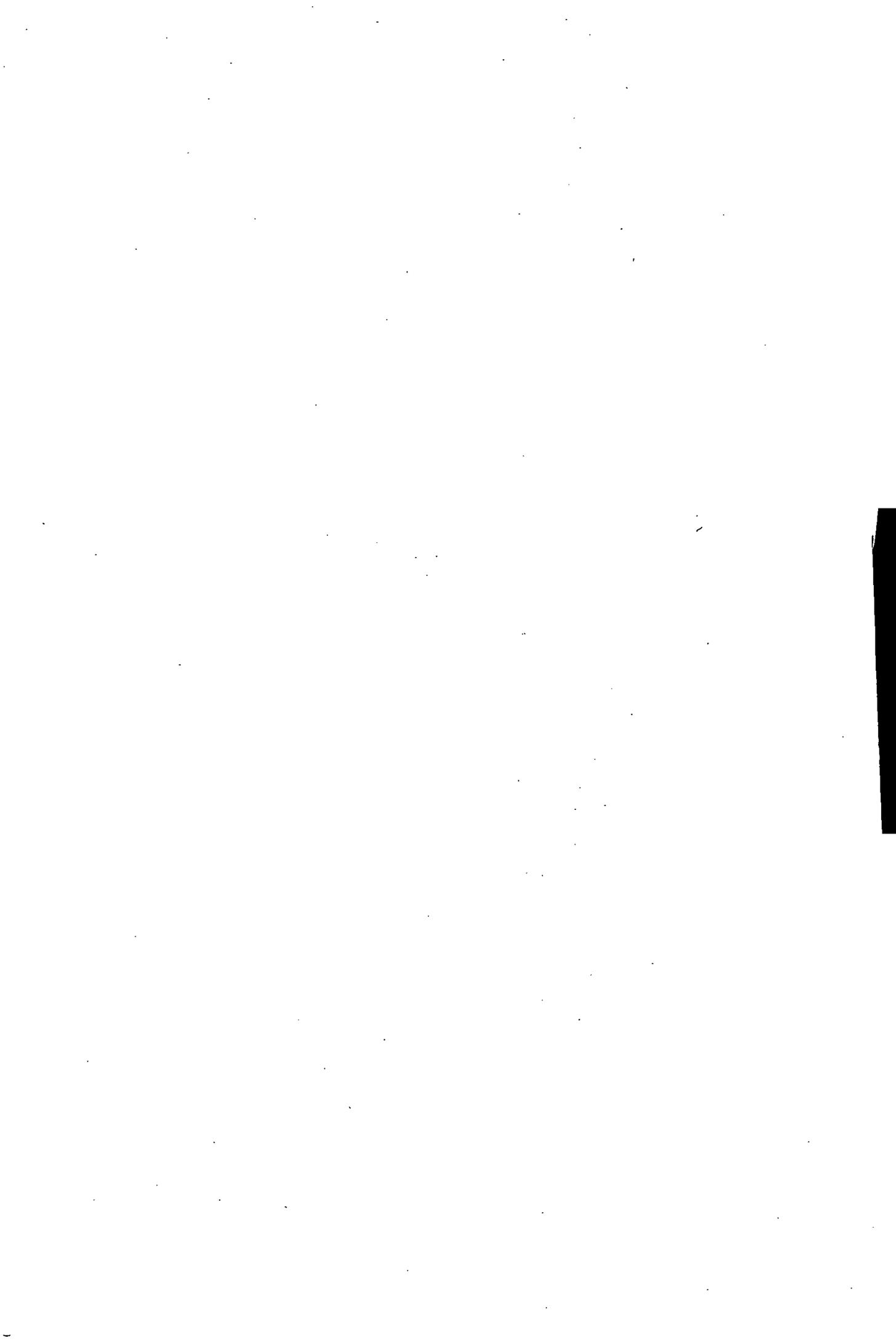
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APPROVAL SHEET

Title of Thesis:

**ADDING NPN AND SODIUM BICARBONATE TO CORN
SILAGE DIETS TO IMPROVE THE NUTRITIVE VALUE
AND RUMEN FERMENTATION IN RUMINANTS**

Name of Candidate: Hany Sidhom Esawy Madian

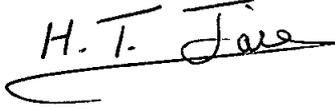
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Thesis had been approved by:

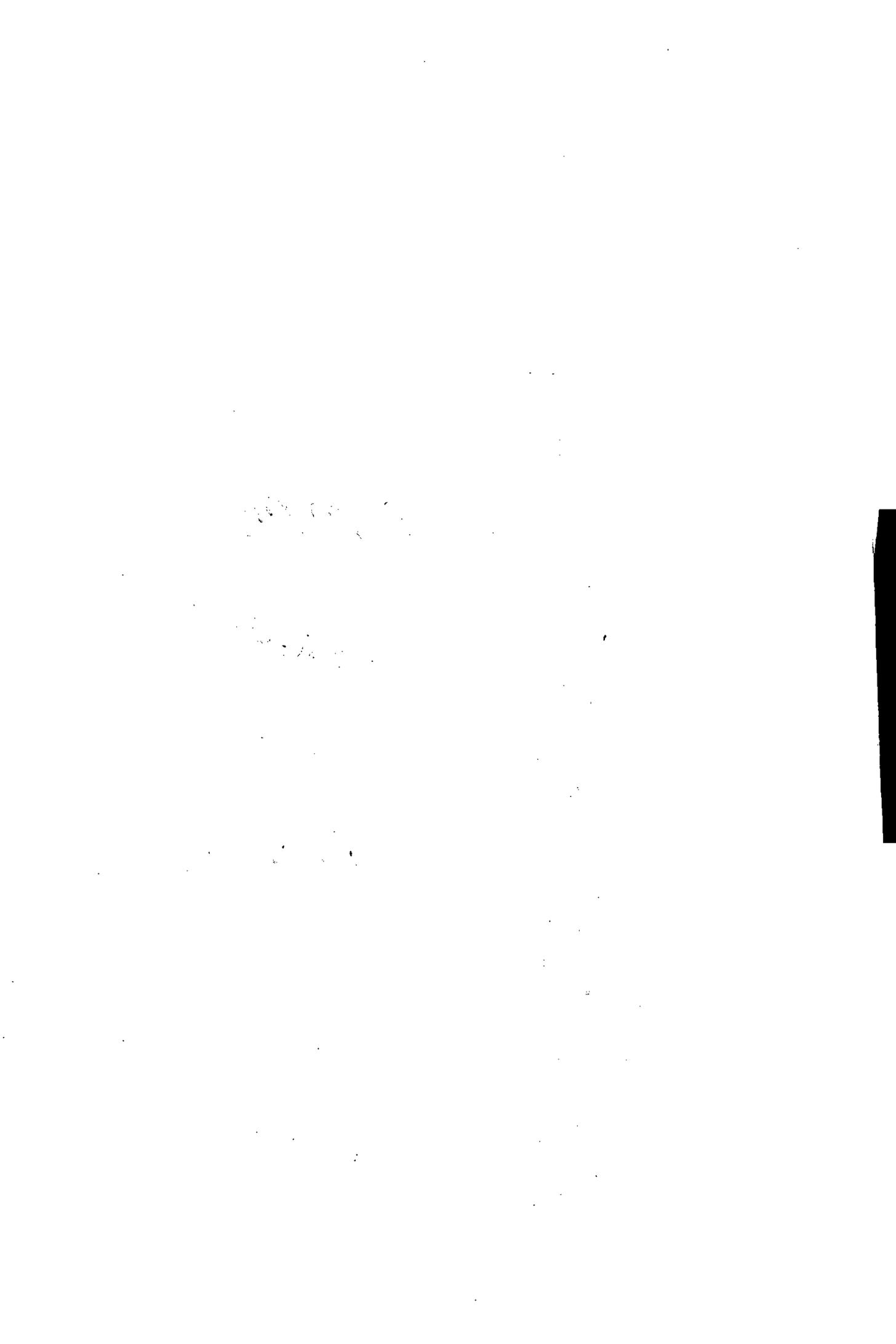
Prof. Dr. Barakat. M. Ahmed 
Prof. Of Animal Nutrition, Faculty
of Agriculture Minufiya University

Prof. Dr. Kamal M. Abd El Rahman 
Prof. Of Animal Nutrition, Faculty
of Agriculture Minufiya University

Prof. Dr. Hamdy T. Taie 
Prof. Of Animal Nutrition, Faculty
of Agriculture Minufiya University

Prof. Dr. M. M. Bendary 
Prof. Of Animal Nutrition Animal Prod. Res. Inst. Agric.
Res. Center Ministry of Agriculture

Date of Examination: 31/12/2002



SUPERVISION COMMITTEE

Title of Thesis:

**Adding NPN and sodium bicarbonate to corn silage diet to improve
the nutritive value and rumen fermentation in ruminants**

Researcher Name:

Hany Sidhom Esawy Madian

Supervision Committee:

Name	Position	Signature
Prof. Dr. Kamal M. Abdel Rahman	Prof. of Animal Nutrition Faculty of Agriculture Minufiya University	K. Abdel-Rahman
Prof. Dr. Hamdy T. Taie	Prof. of Animal Nutrition Faculty of Agriculture Minufiya University	H.T. Taie

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وكيل الكلية
للمناهج والبرامج
د. د. عمرو السيد (م. ه. م.)





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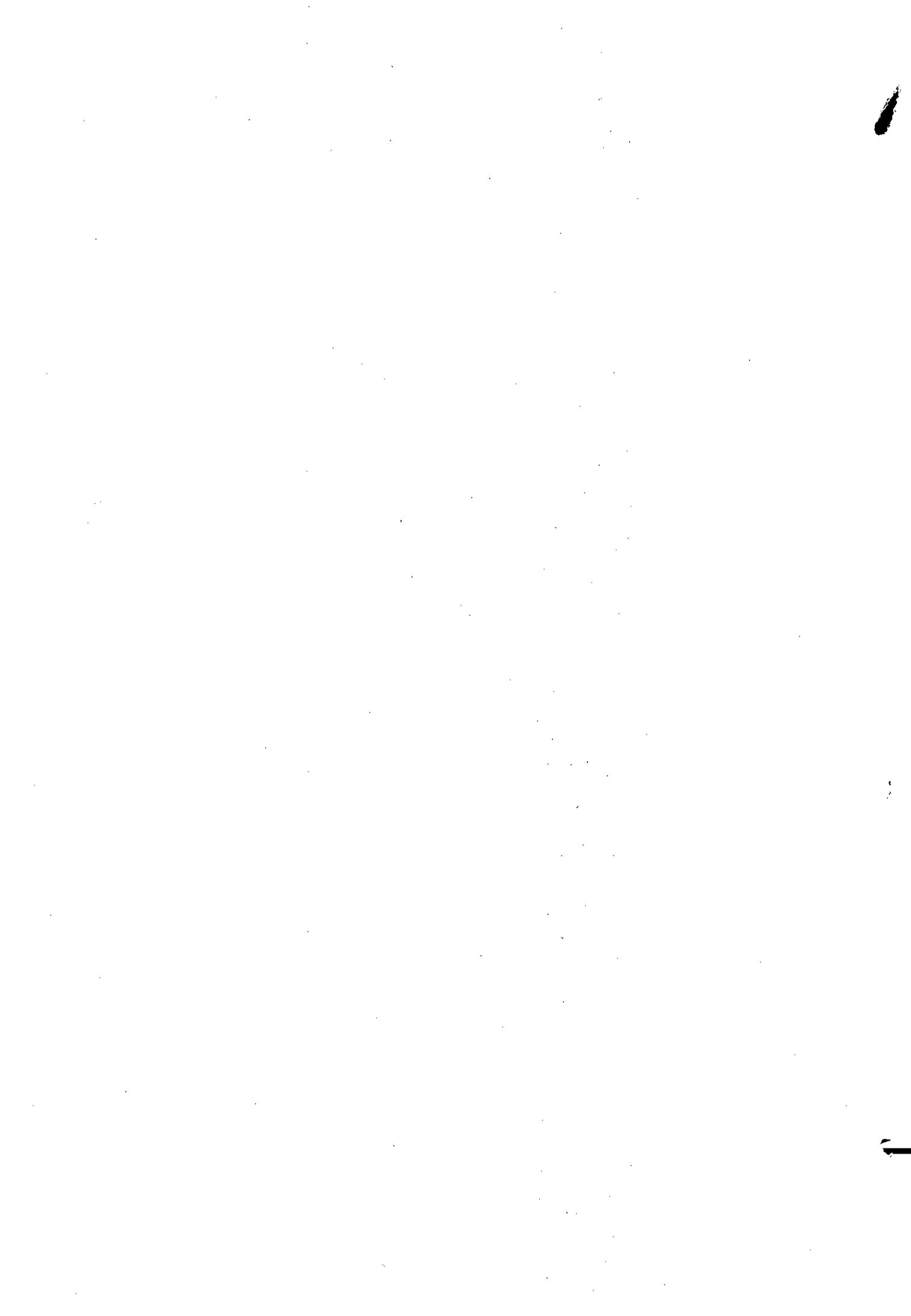
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List of Abbreviation

Ammonia	(NH ₃)
Ammonia nitrogen	(NH ₃ -N)
Corn silage	(CS)
Crude fiber	(CF)
Crude protein	(CP)
Digestible crude protein	(DCP)
Dry matter	(DM)
Ether extract	(EE)
Gram	(g)
<i>In situ</i> dry matter disappearance	(ISDMD)
<i>In situ</i> organic matter disappearance	(ISOMD)
<i>In vitro</i> dry matter disappearance	(IVDMD)
<i>In vitro</i> organic matter disappearance	(IVOMD)
Kilogram	(Kg)
Live body weight	(LBW)
Milligram	(Mg)
Milliliter	(ml)
Nitrogen	(N)
Nitrogen balance	(NB)
Nitrogen free extract	(NFE)
Non protein nitrogen	(NPN)
Nutritive ratio	(NR)
Organic matter	(OM)
Starch value	(SV)
Sugar beet tops	(SBT)
Total digestible nutrients	(TDN)
Total volatile fatty acids	(TVFAs)

