Instructions for Authors of *Journal of Dairy Science*

The American Dairy Science Association invites scientists from all countries to submit papers for the Journal. Authors need not be members of ADSA. Data including graphs, figures, tables, and illustrations must not have appeared in print except as abstracts, local or regional field day reports, extension letters, or nonpeer-reviewed proceedings of conferences. Articles submitted to *Journal of Dairy Science* should not be submitted for publication to popular magazines, company advertisements, or organizational proceedings until the author has received notification of acceptance of the manuscript. Before manuscripts are submitted, authors should have them read critically by others to facilitate review, and the senior author should have authorization to publish. All coauthors should be contacted and approve the manuscript before its submission to the Journal.

Authors should read the statement on publication ethics, *J. Dairy Sci.* 68: 3124.

Papers accepted become the copyright of the journal and may be reprinted only by the publisher. The Editor may authorize reproduction of graphs, tables, and illustrations for books and periodicals.

The page charge per printed page is $60 for members and $120 for nonmembers for papers published in *Journal of Dairy Science*. A schedule of prices and form to order reprints accompany author proof, but authors are not required to order reprints. Symposia received before September 1, invited papers, and invited review papers are not subject to page charges.

A reviewed paper returned to authors for revision must be returned to the editor within 6 months; a symposium paper must be returned to the editor within 3 months. If not, the paper will be treated as a new submission. Under unusual circumstances, editors may extend the revision deadline beyond 6 months.

In cases where only the author's personal funds are available for payment, and where such payment would be a hardship, authors may request—prior to publication—a page charge waiver from the Executive Secretary, 309 W. Clark St., Champaign, IL 61820. Authors who apply for page charge waiver may not order reprints. Page charge waivers are limited to one per institution per year.

These instructions detail the form and style required by *Journal of Dairy Science* for papers submitted for publication in the Journal. Papers that do not follow the style and form of the Journal may be rejected without review. Refer to these instructions when writing and typing the manuscript.

Technical Details

1. Submit duplicate manuscripts with letter specifying title, authors, and section of the Journal to American Dairy Science Association, 309 W. Clark St., Champaign, IL 61820.

2. Type with double spaces between lines on bond paper 21.6 by 27.9 cm. Processes such as multilith on bond paper are acceptable. Number lines on each page for reference in review. Side margins should be 2.5 cm. Words written on or attached to the page are unacceptable.


4. Measures must be in the metric system except US equivalents may be used in the Our Industry Today section with permission of the editors.

5. Three classes of headings are used within the text of the manuscript. Major headings are centered all capitals and consist of ABSTRACT, INTRODUCTION, MATERIALS AND METHODS, RESULTS, DISCUSSION (or RESULTS AND DISCUSSION), CONCLUSIONS, ACKNOWLEDGMENTS (note spelling), REFERENCES, APPENDIX. First subheadings begin left margin, first letter of important words are capitalized, and headings are boldface. If you do not have boldface fonts on your typewriter or computer, leave space for copy editor to indicate boldface. Do not handwrite boldface symbol or use underline. Second subheadings begin the first line of a paragraph. They are indented, underlined, and followed by a period. The first letter of important words should be capitalized.

Organization of Paper

1. Across the top of the title or title-abstract page (first page) suggest a running head (abbreviated title) less than 40 letters. The running
head is centered and typed in all capital letters.

2. List 3 key words or phrases for subject indexing the article. In most instances, these important words should be taken from the title.

3. The title should be less than 100 letters and contain no abbreviations. The first letter of each word is capitalized except for articles and prepositions of under five letters. With few exceptions, the title should contain the words or phrases used for indexing the article.

4. Names of authors should be under the title with their affiliation following on the next lines. Names of authors are to be typed all capitals. Institutions and addresses are listed in upper and lower case letters. State abbreviation is not included between city and zip code when state is previously mentioned in the address (see example). Supplementary information, such as positions and addresses of authors, is given in footnotes to the first page. Footnotes referring from authors to displayed addresses are not allowed.

Wrong:

JOHN SMITH1 and BILL JONES2
Departments of Animal1 and Dairy2 Science
University of Illinois
Urbana 61801

Right:

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Urbana 61801

1 Department of Animal Science.
2 Department of Dairy Science.

or:

JOHN SMITH
Department of Animal Science

BILL JONES
Department of Dairy Science

University of Illinois
Urbana 61801

5. Abstract should review important objectives, materials, results, conclusions, and applications as concisely as possible. The abstract disseminates scientific information through abstracting journals and through convenience for readers.

a. Limit to 200 words.
b. Open with objectives unless they are clear in Methods and Results. Do not repeat title.

c. Make intelligible without reference to complete paper. Use complete sentences and standard terms. Use no abbreviations except units of measure with digits and those abbreviations defined on the inside front cover of the Journal. All chemical elements and common combinations of chemical elements may be used without definition.

d. Minimize amount of data in the abstract.

e. Exclude statements of statistical probability.

f. Exclude references to other work.

g. Include important conclusions and applications of results.

6. Text should contain:

a. Introduction to the problem—questions, objectives, reasons for research along with related literature.
b. Materials, methods, experimental designs, and procedures. Analyses must include appropriate statistical treatment of variation. Sensory data should comply with the "Statement of Policy in the Report of the Committee on Sensory Data to the Journal Management Committee of the American Dairy Science Association, 1986", J. Dairy Sci. 69:298. Computer software should conform to the "Report of ADSA Subcommittee on Standards for Publications with Reference to Computer Software", J. Dairy Sci. 70:209. Mention of an enzyme should include EC number. Mention of a commercial product should include manufacturer, city, state (and country, if outside US). Abbreviations should be spelled out with first use except those words defined on the inside front cover of the Journal, units of measure used with digits, and chemical elements.

c. Results.

d. Discussion.

e. Conclusions and applications (c, d, and e may be combined variously).

f. Acknowledgments.

g. References—a minimum of pertinent citations listed alphabetically by last name of first author (English system
of alphabetizing, e.g., deVries, van Waller, not Vries, de or Waller, van), then chronologically, numbered consecutively, and cited by number. The sequence is names of authors (invert only name of first author), year of publication, title (lower case letters), abbreviated name of periodical, volume, and number of first page. Include name and address of publisher for books. Follow style and form of current Journal. Serial Sources for the Biosis Data Base, Volume 1988, suggests appropriate abbreviations. Personal communications or unpublished references should be mentioned parenthetically in the text and should not appear in the References section. All references appearing in the References section must be mentioned in the body of the paper. References must be typed double spaced. Abstracts and articles from nonpeer-reviewed magazines and proceedings should be used sparingly as references.

Examples of References

The form currently recommended is demonstrated by these examples:


Abbreviations of Frequently Cited Periodicals

Acta Agric. Scand.
Acta Endocrinol.
Acta Theriol.
Adv. Protein Chem.
Agric. Biol. Chem.
Am. J. Anat.
Abbreviations of Words Used in Citations

Short words, such as "and", "of", "the", etc., are not used in journal titles in the References section of Journal of Dairy Science.

Abstract
Agriculture
American
Annals
Annual
Association
British
Bulletin
Circular
College
Conference
Congress
Edition, Editor(s)
Experiment
Extension
International
Livestock
Miscellaneous
Monograph
National
Number
Patent
Proceedings
Publication
Report
Research
Review

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Other Abbreviations

The following abbreviations are acceptable. Authors should consult the CBE Style Manual for abbreviations not given. All chemical elements, common combinations of chemical elements, and units of measure following a number may be used without definition. A list of abbreviations that do not need to be defined with first use are on the inside front cover of each issue of the Journal.

ad libitum
afternoon
average
Calorie (small)
Calorie (large)
Celsius (with number)
centimeter
centimeter, square
circa
counts per minute
counts per second
crossed with, times
cubic
cubic centimeter
cubic millimeter
curie
cycles per second (Hertz)
day
deciliter
et alii
et cetera
experiment
figure
foot-candle
for example
gram
gravity
half-life
hematoxylin and eosin
hertz
hour(s)
inside diameter
International Unit
intramuscularly
intraperitoneally
intravenously
Joule
kilocalorie
kilogram
liter
logarithm
lux
median effective dose
mega
meter
metric ton
Michaelis constant
micro, micron
microcurie
micrograms
milliliter
millimeters of mercury
millimicron
millimolar
millimicrograms
millimoles of mercury
mmHg
millimoles of mercury
mmol
minute
molar (concentration)
molar (mass)
month
morning
nano
nanogram
osmality
outside diameter
parts per billion
parts per million
per
percent
pico
picogram
probability
second
species (only after generic name)
standard deviation
standard error
subcutaneous
that is
ultraviolet
versus
volt
volume
volume/volume
watt
week
weight/volume
year

i.v.
J
kcal
kg
L, l with prefix
log
lx
EDso
M (prefix)
m
μ
μCi
μg
ml
mM
mmol
min
M
mol
mo
a.m.
n
ng
OsM
o.d.
ppb
ppm
/
%
P
pg
P
s
sp., spp.
SD
SE
s.c.
i.e.
UV
vs.
V
vol
vol/vol
W
wk
wt/vol
yr

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Abbreviations are not used in the title of a manuscript or running headline. Abbreviations may be used in figure and table legends if first use is defined. Units of measure should not be abbreviated in the text unless preceded by a numeral. The singular and plural of abbreviations are identical; verbs used with abbreviations should be singular or plural, whichever is appropriate.

**Figures**

Refer to the *CBE Style Manual* (pp. 67–74) and to *Steps Toward Better Scientific Illustrations* (Allen Press, Inc., Lawrence, KS) for suggestions. Figure 1 was well made for reduction. Note that scale of lettering and intensity of line are compatible.

Do not repeat material in text and tables. However, each figure should be able to be understood without reference to the text.

Plan drawings for reduction of 50% or more to a width of one or two columns to minimize flaws. After reduction, minimum line size is one point. Computer drawings are acceptable if line width, symbols, and layout meet other figure specifications mentioned in this section.

Illustrations should be submitted no larger than 21.6 by 27.9 cm.

Original copy should be drawn with India ink on white drawing paper, tracing paper, or blue linen. Do not use papers with yellow, green, or red lines for graphs as only blue will filter out. Second copies may be high quality reproductions, except for photographs and micrographs, which must be originals. Glossy photographs of original copy are acceptable as "originals" if they are of high resolution and in focus. Press-on graphics are acceptable but because they are fragile, care should be taken to protect them during mailing. Typed lettering is not acceptable.

Legends should be typed double spaced on a separate page preceding the figures. Identify curves with symbols: ○, □, *, △, ●, ★, ⋄, +, or x. Abbreviations used in figure or caption must be defined in caption. Abbreviations should conform to Journal style.

Plates should be carefully mounted on a white background with rubber cement or spray adhesives. Margins between each photograph should be minimal, even, and the outside border of the plate should be aligned to be rectangular or square in shape. Individual figures, if mounted, must conform to plate specifications also. Labels should be on photographs, not outside them, whenever possible.

Each figure should be identified in the margin, on the back, with author name, figure number, and the first few words of the title of the article to which it belongs. Care should be taken not to deface the front of the figure when writing on the reverse side. Indicate which side is "top" if this is not immediately clear.

The author should propose placement of figures by a circled note in the left-hand margin; the author may indicate size reduction preferred. The editors, however, reserve the right to alter figure placement and size.

**Electron Micrographs**

Authors should submit original plates and high grade photographs for reviewers. Micrographs should be submitted as near as possible to desired published size. If micrographs are reduced, authors need to alter magnification amounts in the figure caption to reflect percent reduction.

**Color Illustrations**

Authors should submit specifications to the technical editor for estimate of cost as early in
the publication process as possible. Upon receipt of estimate, authors must indicate in writing that they are willing to pay the additional cost of color reproduction.

Tables

Tables should be self explanatory and may be a most effective way to organize extensive data. Refer to the CBE Style Manual (pp. 74–80).

Type each table on bond paper 21.6 by 27.9 cm, and place tables at the end of manuscript. Propose placement of table in text by circled note in left margin.

When possible, tables should be organized to fit across, not lengthwise, on the page. Be aware of the dimensions of the printed page when planning tables.

Place number and title on the same line above the table. See format of current journal.

Use no vertical lines and few horizontal lines.

Limit digits to the minimum for meaningful comparison within the accuracy of the methods, and do not use zeros to the left of decimals in numbers less than one (tables and text).

Spell out first use of abbreviations. Abbreviations should conform to Journal style.

Footnotes to tables should be numerals. Superscript letters should be used for statistical analyses within the body of the table. Probability may be indicated: *$P<.05$, **$P<.01$, ***$P<.001$, †$P<.10$.

Symposium Papers

Instructions are the same as for other papers except organization of the text may vary. An abstract is desired. Manuscripts received by ADSA after September 1 of the year in which the symposium was presented become subject to page charges. Those received after December 31 will not be accepted. Manuscripts must be returned to the editor within 3 months after completion of review or they will not be published with other papers of the same symposium.

Our Industry Today

This section includes interpretive applied summaries and recommendations from research useful to the dairy industry. Syntheses and applications from technical reports which contribute to solutions of problems of dairy especially are solicited. Authors of reports for extension education of the nonscientist are encouraged to share their contributions with colleagues and to achieve larger circulation of their conclusions and recommendations through this section.

Organization of papers for Our Industry Today may vary but should be logical and effective. An abstract is required. Other instructions to authors apply.