

1 Running head: Limited to 45 keystrokes

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3 **The title goes here, with only the first word and any proper nouns capitalized¹**

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5 **A. B. Smith,* C. D. Jones,† E. F. Johnson,* and Research Consortium#²**

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7 *Author's affiliated research institution, city, state, country (if outside of the United States),

8 postal code. Do not show symbols as superscripts.

9 †If different from the others, author's affiliated research institution, city, state, country (if outside

10 of the United States), postal code

11 #The names and affiliations of scientists working with the Research Consortium are listed at

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15 ¹Acknowledgements are given as a footnote to the title. They include acknowledgements of

16 consortia, grants, experiment station, or journal series number. Authors disclosing potential or

17 actual conflicts of interest related to the research presented in the manuscript should describe this

18 in a footnote with other acknowledgements.

19 ²Corresponding author: current e-mail address

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21 **ABSTRACT: ABSTRACT** is limited to 2,500 characters and spaces (i.e., keystrokes). A space
22 is counted as a keystroke. Key words are not part of the keystroke count for ABSTRACT.

23 Author-defined abbreviations must be defined in the abstract and redefined at first use in the
24 body of the manuscript, in each table, and in each figure.

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26 **Key words:** List up to 6 key words or phrases including the species, variables tested, and major
27 response criteria.

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INTRODUCTION

Authors are responsible for complying with the 2015 Instructions for Authors, *Journal of Animal Science (JAS)*, which contains detailed information about all aspects of manuscript preparation and submission. Instructions for Authors is found at the following website. <http://journalofanimalscience.org/site/misc/ifora.xhtml>. Please also note that all manuscripts must be submitted in an editable format (i.e., Microsoft Word format, not as a PDF).

INTRODUCTION is limited to 2,000 keystrokes and one paragraph. **INTRODUCTION** must contain a brief justification for conducting the research, the hypotheses to be tested, and the objective(s). Extensive discussion of relevant literature should be included in **DISCUSSION**, not in **INTRODUCTION**.

This template can be used as a starting point for preparing *JAS* manuscripts.

MATERIALS AND METHODS

The institutional animal care and use committee statement should appear as the first item in **MATERIALS AND METHODS** and should specify which publically available animal care and use standards were followed.

MATERIALS AND METHODS is a required section and must contain a clear description of how the experiment was conducted and how the data were analyzed.

Subheading

A subheading contains specific information about an aspect of an experiment. Subheadings are italicized and in bold. Subheadings, such as ***Animals and Diets***, ***Assay Procedures***, and ***Statistical Methods***, make information easier to locate, but subheadings are not

51 required. **MATERIALS AND METHODS, RESULTS, DISCUSSION,** and **RESULTS AND**
52 **DISCUSSION** may contain subheadings.

53 **RESULTS**

54 The results are presented in the form of tables or figures when feasible. The text should
55 explain or elaborate on the tabular data, but numbers should not be repeated within the text.
56 Sufficient data, all with some index of variation attached, including significance level (i.e., *P*-
57 value), should be presented to allow readers to interpret the results of the experiment.

58 **DISCUSSION**

59 **DISCUSSION** contains the author's, or authors', interpretations of the results of the
60 study. The presentation should be clear and concise, address biological mechanisms and their
61 significance, and integrate the research findings with the body of previously published literature
62 to provide readers with a broad base on which to evaluate the author's, or authors',
63 interpretations and assertions.

64 In the *Journal of Animal Science*, authors have the option of combining the results and
65 discussion into one section.

66 **LITERATURE CITED**

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68 To be listed in **LITERATURE CITED**, articles must be published or accepted for
69 publication ("in press"). Personal communications and unpublished data must not be included in
70 **LITERATURE CITED**.

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72 ***Tables and Figures***

73 Tables and figures should be placed at the end of a manuscript, not embedded in the text.
74 Tables and figures must be prepared so that they provide stand-alone information; that is,
75 information in a table or figure can be understood without referring to information in the body of
76 the manuscript. Author-defined abbreviations must be defined (or redefined) in each table and
77 figure. Manufacturer name and location should be provided for any proprietary product
78 appearing in a table or figure.

79 Tables must be created using the table feature in MS Word (for instructions, see

80 **Guidelines for Creating Tables Using Microsoft Word**

81 (<http://journalofanimalscience.org/site/misc/ifora.xhtml>). Do not use image files or non-editable
82 formats for Tables.

83 Figures should follow the **Quality Guidelines for *Journal of Animal Science (JAS)***

84 **Figures** (<http://journalofanimalscience.org/site/misc/ifora.xhtml>). Each figure should be placed
85 on a separate page (separated by section breaks) and identified with the figure number. Figure
86 captions should be typed double-spaced on a separate page. Now that *JAS* is a fully electronic
87 publication, authors are encouraged to use color to enhance figures; there are no additional fees
88 for color figures and images in issues of *JAS*.