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 Sesond Tratid. Stuato on the weters

 of brande the wo Nortsis ople to to Seaimining coinatining eifaty two

 Fouts, state of tuorth in Ratronalimb
 Suct forts




## notice of mortcager sale

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## biLL booster says

Time of Cutting Alfalfa for Hay

Has Much to Do With Value of Cured Product as Feed for Different Animals.

##  name is leegion. belleve thatst the poes abbultees of this crop are far trom be

 $\log$ reallized. A great part of thenearly $10,000,000$ acres now devoted to hhs forage ts annually harrested for
hay, and the conditions under whic
 The number of cotutngs that may
taken from an alfalta feid tm a sea varles according to the locallty and nore, th the extreme southweut, to
wo, or sometimea only arthern, and seml-arid regions. Thir
to to fory daps of goo rowng
weather are neceasary to produce a
hay crop. TIm

## There are conficting opinions on he proper tme to cut alfalfa for hay. Chemical anmelyen

 states Department of $\Delta$ gricultirire
show that when cut in early bloom it
has sllg how shat when cut in early bloom it
cut later, and thate portertit than when

 to the old practlce of cuttlig just be
tore the fowers appeared. That prac
tice has been discrealted. As the resalt of experlence accumu.
lated it was found that these early
and freouent cutting and frequent cuttings, althongh they
produced greater yields the frat
son, mon, usually reduced the life of the
stan and the average yleld over a period od yeara. Later the basal shoots
were used as a gulde, cuttring belng
recommended when they had reached a length or one or two tinches or when
the plants were one-tenth in bloom the plants were one-tenth in bloom.
The two guldes semed to be needed
as the basal shoots make very luttie
 eraily been adised is more desirabie.
everththn considered. $\Delta t$ the Kani-
sas agrrcultural experiment station compartson was made of cuttlig a
four stages-In bud, one-tenth
bloom, full bioom, and pods, were forming. The earliest cut.
ting was higheat In feeding value, but the stand wast practicailis katue, but
ta eutio season. Cutting when one tenth tn bloom gave leas hay than one cut-
ting when to funl booma and seemed
to encourage grass and weed thig when the seed pods weere forming
gave leas hay tha derrler cuttings
but the stgan was not
 shoots, elthouigh it cutting the basea
thaght then cllpplng them ong been
tuce the
dure
part partment of Agrriculture has cunducted
experiments
sults.
In regions where the ralnfall
rather IImtite., such as the Grea
Ptanus, stands

 as the plants are concerned. Cuttin.
is haproful rather than benefflal. but
of cource there must be in harveet.



 Where the waether promines to

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## SURVEY RIVER FOR NDUSTRAL USE AS UNTT OF POWER





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