TEMPORARY WINTER GRAZING WEED CONTROL

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HERBICIDE	BROADCAST RATE/ACRE		REMARKS AND PRECAUTIONS
	AMOUNT OF FORMULATION	POUNDS ACTIVE INGREDIENT	
TEMPORARY WINTER GRAZING CROPS-Small Grains, Ryegrass			
2,4-D various trade names 4 lb/gal *dicamba* Banvel 4 lb/gal	1 pt-1 qt 0.5 pt	0.5-1 0.25	Apply in December, January or February to control swinecress, blessed thistle, wild garlic, curly dock and similar winter weeds after small grain tillering but before jointing. Grazing restrictions may vary among the different 2,4-D products. Several 2,4-D labels restrict grazing for dairy animals or meat animals being finished for slaughter for 14 days after treatment. For Banvel, restrict grazing for lactating dairy animals for 7 days after treatment and remove meat animals from treated areas 30 days prior to slaughter. For Banvel, there is no waiting period between treatment and grazing for non-lactating animals. Refer to specific herbicide label for additional use information.
2,4-D + *dicamba* Weedmaster 2.9 lb + 1 lb/gal Outlaw 1.45 + 1.1 lb/gal	1 pt to 2 pt 1 pt to 2 pt	0.36 + 0.125 to 0.72 + 0.25 0.18 + 0.14 to 0.36 + 0.27	Apply to emerged broadleaf weeds when crop has 2-4 tillers. Do not graze lactating dairy animals within 7 days. There is no restriction between application and grazing for non-lactating animals. Do not cut for hay within 37 days after treatment. Do not graze meat animals in treated areas within 30 days of slaughter. Weedmaster and Outlaw will severely injure or kill clovers or alfalfa.
thifensulfuron-methyl + *tribenuron-methyl* Harmony Extra SG with TotalSol 50 SG	0.45-0.9 oz	0.0094 to 0.0188 + 0.0047 to 0.0094	Apply after two-leaf stage of wheat, barley, triticale and oats but prior to flag leaf being visible. Harmony Extra SG is not recommended for use on ryegrass or rye. Most winter annuals can be controlled with 0.45-0.6 oz/A; however, 0.75-0.9 oz/A is recommended for controlling wild garlic or small wild radish. Add 1 qt of nonionic surfactant per 100 gal of spray solution. For best results, apply when weeds are in the two- to four-leaf stage, temperatures are above 50° F, and not drought stressed. Wild garlic should be less than 12" tall and should have 2-4" of new growth. Liquid nitrogen may be used as the carrier. When using nitrogen as the carrier, reduce surfactant rate to 0.5-1 pt/100 gal of solution (wheat burn may still be noted). May also tank mix Harmony Extra SG with 0.25-0.375 lb ai/A of 2,4-D or MCPA for improved control of wild radish. Do not use surfactant if Harmony Extra SG and 2,4-D or MCPA are applied in nitrogen. Do not graze within 7 days of application. This grazing restriction applies to all types of livestock. Allow at least 30 days between application and feeding of hay from treated areas to livestock.
SUPPRESSION OF BERMUDAGRASS OR BAHIAGRASS SODS			
paraquat Gramoxone Inteon 3 lb/gal	1-2 pt	0.25-0.5	Apply in early fall to sod not more than 3" tall, just prior to or at the time of seeding clovers or winter grasses. Add surfactant according to label directions.