



2003 Texas Panhandle, Rolling, and South Plains Herbicide Options in Winter Wheat

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Information is provided as a general educational guide only; no discrimination is intended or implied.
Refer to individual labels for specific instructions before using any herbicides listed below.

Broadleaf Herbicides

Trade Name (common name)	Product Rate per Acre	Rotation Restrictions	General Comments
Aim 40DF (carfentrazone-ethyl)	0.33 - 1.24 oz	corn, cotton, sorghum, soybean, and wheat - any time; root and leafy vegetables - 30 days; other crops - 12 months after an application.	Apply to wheat postemergence up to the jointing stage. Apply to actively growing weeds up to 4 inches in height or rosettes less than 3 inches across. Use a non-ionic surfactant under all conditions and add liquid nitrogen under very dry soil conditions. Do not apply more than 1.24 oz per season. Do not harvest forage for 7 days after application.
Ally 60DF (metsulfuron methyl)	0.1 oz	corn - 12 mos.; cotton - 14-22; sorghum - 10 mos.; soybeans - 34 mos.; sunflowers - 22 mos.	Apply to actively growing weeds <4" tall or wide. Apply to wheat after 2-leaf stage but before boot. Do not apply to soils with pH higher than 7.9. Increased weed control achieved when tank-mixed with 2,4-D ester or MCPA. Apply non-ionic surfactant at 1 to 2 qt per 100 gal of spray solution unless otherwise specified (see label for specific tank-mix partners).
Ally Extra 71.25DF (thifensulfuron methyl, tribenuron methyl, metsulfuron methyl)	0.2 - 0.4 oz (weed dependent)	Same as Ally 60DF	Do not apply to soils with pH higher than 7.9. Do not graze livestock in treated areas or feed forage from treated areas. Apply to wheat from 2 leaf to prior to flag-leaf emergence. Can be tank-mixed with several other herbicides. Use non-ionic surfactant at 1 pt to 1 qt per 100 gal of spray solution (see label for specific tank-mix partners).

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Trade Name (common name)	Product Rate per Acre	Rotation Restrictions	General Comments
Amber 75DF Accu-Pak (triasulfuron)	0.28 - 0.47 oz	Soil pH 7.9 or lower: corn - 22 mos.; IR corn - 4 mos.; sorghum - 14 mos.; soybeans - 36 mos.; STS soybeans - 11 mos.; other crops - field bioassay.	Apply preplant, preplant shallow incorporated, preemergence, or postemergence up to pre-boot. Application timing for weeds is dependent upon particular weed and should be referenced in the label. Add non-ionic surfactant for post applications. Do not apply 0.47 oz rate to soils with pH higher than 7.5. Do not cut for hay for 30 days.
Banvel 4L Banvel SGF 2L (dimethylamine salt of dicamba)	2 - 4 oz 4-8 oz	corn - immediately; sorghum - 15 days; others - after harvest.	Apply post to wheat prior to jointing. Apply to broadleaf weeds in the 2-3 leaf stage and rosettes are less than 2 inches across. May use up to 8 oz on fall-seeded wheat after it exceeds 3-leaf stage for suppression of perennial weeds, such as field bindweed. Surfactant dependent on tank-mix partner.
Buctril 2E Buctril 4E Buctril 4 Cereals (bromoxynil)	1.5 - 2.0 pt 0.75 - 1.0 pt	corn, sorghum - immediately; most others - 1 mo.	Apply postemergence to wheat prior to boot. Apply to specific weeds according to growth stages found in label. Do not graze treated fields within 45 days following treatment. Surfactant dependent on tank-mix partner.
Canvas 71WG (thifensulfuron methyl + tribenuron methyl + metsulfuron methyl)	1 package / 5-10 acres	See Ally Extra 71.25DF	See Ally Extra 71.25DF
Clarity 4L (diglycolamine salt of dicamba)	2 - 4 oz	See Banvel.	Apply to wheat prior to jointing. Apply to broadleaf weeds in the 2-3 leaf stage and rosettes less than 2 inches across. May use up to 8 oz of Clarity on fall-seeded wheat after it exceeds 3-leaf stage for suppression of perennial weeds, such as field bindweed. Surfactant dependent on tank-mix partner.
Express 75DF (tribenuron methyl)	0.17 - 0.33 oz	Wheat anytime; most other crops - 45 days (see label for exceptions).	Apply to wheat after the 2-leaf stage, but prior to flag leaf. Do not harvest within 45 days after the last application. Do not graze or feed forage from treated areas. Apply non-ionic surfactant at ½ to 4 pt per 100 gal of spray solution, unless otherwise specified (see label for specific tank-mix partners).

Trade Name (common name)	Product Rate per Acre	Rotation Restrictions	General Comments
Finesse 75DF (chlorsulfuron + metsulfuron methyl)	0.2 - 0.4 oz	Corn - 11 mos; sorghum - 14 to 26 mos.; cotton - 14 to 26 mos. or field bioassay depending on area, pH, and rainfall; other crops - perform a field bioassay before planting.	May be applied as a preplant, preemergence, or postemergence treatment. Apply to wheat postemergence after the 1-leaf stage, but before boot. Do not apply to soils with a pH higher than 7.9. Tank mix with 2,4-D or MCPA for improved weed control. Use a non- ionic surfactant at 1 pt to 1 qt per 100 gal of spray solution (see label for specific tank-mix partners).
Glean FC 75DF (chlorsulfuron)	0.17 - 0.33 oz	sorghum - 14 to 25 mos.; cotton - 14 to 26 mos. or field bioassay dependent on area, pH, and rainfall; other crops - perform a field biassay before planting.	May be applied preemergence or postemergence to wheat. Apply postemergence to wheat after the 2-leaf stage, but before boot. Do not apply to soils with a pH higher than 7.9. Use once per crop period or once every 36 months depending on location. Use a non-ionic surfactant at 1 to 2 qt per 100 gal of spray solution (see label for specific tank-mix partners).
Harmony Extra 75DF (thifensulfuron-methyl + tribenuron-methyl)	0.3 - 0.6 oz	Wheat anytime, most other crops 45 days after application (see label for exceptions).	Apply postemergence to wheat after the 2-leaf stage, but prior to visible flag-leaf. Do not exceed 1.0 oz per season. Do not graze or feed forage from treated areas. Use a non- ionic surfactant at 1 to 2 qt per 100 gal of spray solution (see label for specific tank-mix partners).
Paramount 75DF (quinclorac)	5.3 - 8.0 oz Use 8 oz first year and 5.3 oz in second and third year.	Do not apply to any other crop other than wheat or sorghum for 10 mos.	Recommended for field bindweed control only. May be applied fallow or preplant to wheat. Apply prior to first frost. Apply to actively growing field bindweed at least 4 inches long. Allow 30 days between last tillage operation and application. Use with a crop oil concentrate (2 pt/ac) or methylated seed oil (1-2 pt/ac).
Peak 57DF (prosulfuron)	0.38 - 0.5 oz	Soil pH below 7.8: wheat, IR corn - immediately; corn, sorghum - 1 mo.; STS soybeans, soybeans, cotton - 10 mos. Refer to label for specifics.	Apply to wheat postemergence from the 3-leaf stage to before the 2 nd node is detectable in stem elongation (Feekes Growth Stage 7). Apply to small, actively growing weeds. Add either crop oil concentrate or non-ionic surfactant to all applications. Do not apply more than 0.5 - 1.0 oz per season, depending upon future crop rotation.

Trade Name (common name)	Product Rate per Acre	Rotation Restrictions	General Comments
Rave 59WDG (triasulfuron + dicamba)	2.0 - 4.0 oz	Soil pH 7.9 or lower: corn - 22 mos.; IR corn - 4 mos.; sorghum - 14 mos.; soybeans - 36 mos.; STS soybeans - 11 mos.; other crops - refer to label.	Apply to wheat after emergence and up to jointing. Apply to small, actively growing weeds. Use with a non-ionic surfactant at 1-2 pt per 100 gal of spray solution. Do not apply more than 4 oz of Rave per season.
Starane (fluroxypyr) Starane + Salvo Starane + Sabre Starane + Sword	0.67 - 1.33 pt 1.33 - 2.67 pt 1.5 - 4.0 pt 1.5 - 2.75 pt	If replanting is required, only wheat, barley or oats may be planted within 120 days following application.	Apply to wheat postemergence from the 2 to 4-leaf stage up to and including flag-leaf emergence. Apply when weeds are actively growing, but before 8 inches tall or vining.
2,4-D amine 4 2,4-D LV 4 2,4-D LV 6 MCPA amine 4 MCPA LV ester 4	0.5 -2.0 pt 0.5 - 2.0 pt 0.3 - 1.3 pt 1.0 - 2.0 pt 0.5 - 1.0 pt	corn - immediately; cotton - refer to label; sorghum, wheat - 0.5 mo.; soybeans - check label.	Apply 2,4-D postemergence to wheat after full-tillering, but before jointing. Apply MCPA after 4-leaf stage, but before jointing. Apply to small, actively growing weeds.

Wild Oat Herbicides

Trade Name (common name)	Product Rate per Acre	Rotation Restrictions	General Comments
Assert 2.5EC	1.0 - 1.5 pt	grain sorghum, cotton - 15 mos.; other crops - see label	Apply from 2-leaf wheat to prior to jointing. Apply to wild oat at 1 - 4 leaf stage. Apply with a non-ionic surfactant at 2 pt per 100 gal of spray solution. Do not graze following an application.
Beyond (imazamox)	4-6 oz (weed dependent)	Clearfield wheat - anytime; wheat - 3 mos; corn - 8.5 mos; cotton - 9 mos; sorghum - 9 mos; sunflowers - 9 mos	Use only in Clearfield-imidazolinone tolerant wheat systems. Apply in fall to bromes (including rescuegrass) no larger than 4-5 leaf and to wheat that is past 3 rd leaf and prior to joint. Must add non-ionic surfactant at 1 qt per 100 gal of spray solution and liquid nitrogen at 1-2.5 gal per 100 gal of spray solution or spray grade ammonium sulfate at 5-15 lbs per 100 gal. Do not graze or feed forage from treated areas for 30 days following application of Beyond.
Hoelon 3EC (diclofop-methyl)	2.0 - 2.7 pt	All crops may be planted after harvest.	Apply postemergence to wheat prior to jointing. Apply to wild oat before it exceeds the 4-leaf stage. Apply with crop oil concentrate at 1 pt to 1 qt/ac, except under cool, wet conditions. Do not graze or feed forage from treated areas.
Puma 1 EC (fenoxaprop-p-ethyl + safener)	0.66 pt	Refer to label.	Apply postemergence to wheat from emergence to 70 days prior to harvest. Apply to wild oat from the 2-leaf stage to the 2-tiller stage.

Do not apply any of the above herbicides when freezing temperatures have occurred or are forecasted. Applying these herbicides during these periods will result in reduced control.

Cheat, Downy Brome, Japanese Brome Herbicides

Trade Name (common name)	Product Rate per Acre	Rotation Restrictions	General Comments
Amber 75DF (triasulfuron)	0.56 oz	See previous information.	Apply either as a preplant, preplant shallow-incorporated, or preemergence treatment to both wheat and weed. Do not apply 0.56 oz rate to soils with pH higher than 7.9. Will only provide suppression of cheat and other brome species.
Beyond (imazamox) Also may be used for jointed goatgrass control	4-6 oz (weed dependent)	Clearfield wheat - anytime; wheat - 3 mos; corn - 8.5 mos; cotton - 9 mos; sorghum - 9 mos; sunflowers - 9 mos	Use only in Clearfield-imidazolinone tolerant wheat systems. Apply in fall to bromes (including rescuegrass) no larger than 4-5 leaf and to wheat that is past 3 rd leaf and prior to joint. Must add non-ionic surfactant at 1 qt per 100 gal of spray solution and liquid nitrogen at 1-2.5 gal per 100 gal of spray solution or spray grade ammonium sulfate at 5-15 lbs per 100 gal. Do not graze or feed forage from treated areas for 30 days following an application of Beyond.
Finesse 75DF (chlorsulfuron + metsulfuron methyl)	0.5 oz	See previous information.	Apply preemergence to wheat and weed. Best suppression of these weeds is obtained by a tank-mix of Finesse and Lexone. Refer to label for specifics. This treatment will only provide moderate suppression . Do not apply to soils with a pH higher than 7.9.
Maverick 75WSG (sulfosulfuron)	0.67 oz	Do not plant to any crops other than wheat for a period of one year following application.	Apply either preemergence or postemergence to wheat. Apply postemergence to wheat after 2-leaf stage, but prior to jointing. For best weed control, apply fall postemergence when weed is in the 2 to 3-leaf stage. Apply with a non-ionic surfactant at 2 qt per 100 gal of spray solution. Will only provide suppression of wild oat and rescuegrass. Better control will be obtained with good soil moisture.
Sencor 4L Sencor 75DF Lexone 75DF (metribuzin)	1.5 to 16 fl oz 0.75 to 10 oz Rates dependent on crop stage and weed.	corn, soybeans - 4 mos.; cotton, wheat - 8 mos.; sorghum - 12 mos.	Apply postemergence to wheat prior to winter dormancy. See label for rates based on wheat growth stage and soil organic matter content. Apply to small weeds for best results. Only certain wheat varieties are tolerant to metribuzin. Do not use on coarse soils. Do not graze within 14 days of application. Surfactant dependent on tank-mix partner.

Check all labels before tank-mixing with liquid fertilizer, insecticides, or herbicides.