## FARM SEED PLANTING GUIDE

IdemtypeBest UsesPlatting Timepit/1000 sq ft/acrePlatting finder8001Alfalfa, all typeshay, pasture, Nfix, OM, beessk weeks before FF $6.5.70$ $1/2/#$ $15.25\%$ high8004B&B MixWC, Ood, SC-N, feedSpring, soil at least 55' $60.7.5$ $2.4\#$ $75\#$ lowhigh8011Bell BeanN-fix, OM, food, feedSpring, soil at least 55' $60.7.5$ $2.4\#$ $40.80\%$ —medium8013BMR sequent/Sudagrasspasture, OM, WC, SC-N, ECSoil over 60' $60.7.5$ $2.4\#$ $40.80\%$ —high8019Buckwhat, commonfood, bees $80.90$ days before FF $60.6.5$ $3.4\#$ $80.120\%$ —low8020Camelinabees, SC, food, feed $2$ wks before tFF $60.6.5$ $3.4\#$ $80.120\%$ —low8022Chicory, Foragepasturepasture, hay, N-fix, WC, beesSoil over 55' $5.5.7.5$ $1/4\#$ $5.10\%$ medium8028ff Clover, Red, all typesN-fix, hay, pasture, OM, beesSoil over 50' $60.7.5$ $1/2\#$ $15.20\%$ migh8046Clover, Yellow SweetN-fix, OM, have, EC, beesLate Winter to FF $6.5.7.5$ $1/2.4\%$ $15.20\%$ medium8060Cover Crop CocktailOM, SC, WCMS to FF $5.5.7.5$ $1/2.4\%$ $15.20\%$ migh8061Crk Yellow SweetN-fix, NG, have, pasture $2.4\%$ to MS $60.7.0$ $3.4\#$ $100.150\%$ medium	T.	T.	D (II 1		Optimum	Seeding		Nitrogen	Organic
8004B&B MixWC, OMEarly Summer $6.0.7.5$ $2\#$ $75\#$ lowhigh8006ffBarleyWC, food, SC-N, feedSpring, soil at least 55° $6.0.7.5$ $3.4\#$ $100-180\#$ —medium8011Bell BeanN-fix, OM, food, feedSpring or Fall $6.0.7.5$ $3.4\#$ $100-180\#$ —medium8013BMR sorghum/Sudargrasspasture, OM, WC, SC-N, ECSoil over 60° $6.0.7.5$ $2\#$ $40.60\#$ —high8019Buckwheat, commonfood, beesSoil over 60° $6.0.7.5$ $2\#$ $40.60\#$ —low8020Camelinabees, SC, food, feed2 wks before to 2 wks fafter FF $6.0.6.5$ $3\#$ $80.120\#$ —low8022Chicory, Foragepasture, hay, N-fix, WC, beesSoil over 55° $5.5.7.5$ $1/4\#$ $10\#$ —low8023ffClover, Red, all typesN-fix, AD, haw, EC, beesSoil over 55° $6.0.7.5$ $1/2\#$ $15.20\#$ medium803fffClover, Kel, all typespasture, hay, N-fix, WC, beesSpring & Summer $6.0.7.0$ $1.2\#$ $15.20\#$ medium8046Clover, Yellow SweetN-fix, AD, the come of SSoil over 55° $5.5.7.5$ $1/4\#$ $100+150\#$ high8046Clover, Kel, all typesNsix, hay, pasture, OL, beesSpring & Summer $6.0.7.0$ $1.2\#$ $1.52\%$ medium8046Clover, Yellow SweetN-fix, AD, beesSpring to FF $5.5.7.5$ $1/4\#$ $100-150\#$ <t< th=""><th>Item</th><th>Type</th><th>Best Uses<sup>1</sup></th><th>Planting Time<sup>2</sup></th><th><u>pH</u></th><th>/1000 sq ft</th><th>/acre</th><th>Fixation<sup>4</sup></th><th>Matter<sup>5</sup></th></t<>	Item	Type	Best Uses <sup>1</sup>	Planting Time <sup>2</sup>	<u>pH</u>	/1000 sq ft	/acre	Fixation <sup>4</sup>	Matter <sup>5</sup>
8006ff         Barley         WC, food, SC-N, feed         Spring or Fall         6.0.7.5 $3-4\#$ 100-180#          medium           8011         Bell Bean         N-fix, OM, food, feed         Spring or Fall         6.0.7.5 $3^{4}\#$ 100-180#          medium           8013         BMR Sorghum/Sudangras         patture, OM, WC, SC-N, EC         Soil over 60°         6.0.7.5 $2\#$ 40.80#          high           8012         Camelina         bees, SC, food, feed         2wks before to 2 wks after FF         5.0.6.5 $1/4$ $40-60\#$ low           8022         Chicory, Forage         pasture         Soil over 55° $5.5.7.5$ $1/4\#$ $10\#$ low           8025         Clover, Crimson         pasture, hay, N-fix, WC, bees         Soil over 65° $5.0.8.0$ $1.2\#$ $15.20\#$ medium         medium           8046         Clover, Keld, all types         pasture, N-fix, OM, hees         Spring & Summer $6.0.7.0$ $1/2\#$ $41.5\#$ medium         medium           8046         Clover, Yellow Sweet         N-fix, OM, hees         Spring & Summer $6.0.7.0$ $1/2#$		/ /1						0	
8011         Bell Hean         N-fix, OM, food, feed         Spring or Fall         6.0-7.0         5#         150-200#         high         medium           8013         BMR sorghum/Sudagrass         pasture, OM, WC, SC-N, EC         Soil over 60"         6.0-7.5 $2#$ 40-80#         -         high           8019         Buckwheat, common         food, bees         SO: 90 days before FF         6.0-6.5 $1#$ 40-60#         -         low           8020         Camelina         bees, SC, food, feed         2 wks before to 2 wks after FF         5.6-5.5 $1/4#$ $10#$ -         low           8022         Chicory, Forage         pasture         Soil over 55" $5.5.7.5$ $1/4#$ $10#$ -         low           8023ff<				5					
8013         BMR Sorghum/Sudangrass food, bees         pasture, OM, WC, SC-N, EC         Soil over 60° $6.0-7.5$ $2\#$ $40.80\#$ $-$ high           8019         Buckwheat, common         food, bees $80.90$ days before FF $6.0-7.5$ $2\#$ $40.80\#$ $-$ high           8012         Camelina         bees, SC, food, feed $2$ wks before to 2 wks after FF $5.6-6.5$ $1/4\#$ $5-10\#$ $-$ low           8022         Chicory, Forage         pasture, hay, N-fix, WC, bees         Soil over 55° $5.0-8.0$ $1-2#$ $25.50\#$ high         medium           8037ff <clover, crimson<="" td="">         pasture, hay, N-fix, OM, bees         Soil over 55°         <math>6.0-7.5</math> <math>1/4</math> <math>15.20\#</math>         medium         medium           8037ff<clover, all="" td="" types<="" vielic,="">         pasture, N-fix, OM, lawn, EC, bees         Spring &amp; Summer         <math>6.0-7.5</math> <math>1/4</math> <math>15.20\#</math>         high         medium           8046         Clover, Yellow Sweet         N-fix, OM, lawn, EC, bees         Spring &amp; Summer         <math>6.0-7.0</math> <math>1/2\#</math> <math>4.52\%</math>         medium         medium           8061         Clawn Mix         lawn, orchard groundcover         LF to MS</clover,></clover,>									
8019Buckwheat, commonfood, bees80-90 days before FF6.0-6.51#40-60#lowWC, SC-PLF to 4 weeks before FF6.0-6.53#80-120#low8020Camelinabees, SC, food, feed2 wks before to 2 wks after FF6.6-5.53#80-120#low8022Chicory, Foragepasture, hay, N-fix, WC, beesSoil over 55°5.5-7.51/4#10#low8028fClover, Red, all typesN-fix, hay, nasture, OM, beesSoil over 50°6.0-7.51/2#15-20#mediummedium803fffClover, White, all typesN-fix, Apu, sature, OM, beesSoil over 50°6.0-7.51/4-1/2#4-15#mediummedium8046Clover, White, all typesN-fix, OM, lawn, EC, beesLate Winter to FF6.5-7.51/4-1/2#4-15#mediummedium8046Clover, Yellow SweetN-fix, OM, beesSpring & Summer6.0-7.03.4#100-150#highmedium8061CR Lawn Mixlawn, orchard groundcoverLF to MS5.5-6.01#40-60#highmedium8064Milel, JapanesWC, OM, straw, feedSoil over 50°, Spring to FF5.5-8.31#15-25#low8076MustardPC, SCSpring to Late Summer6.0-7.01#40-60#high8076Milel, JapanesWC, OM, straw, feedSoil over 50°, Spring to FF5.0-6.53.4#100-150#low <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td>								<u> </u>	
WC, SC-PLF to 4 weeks before FF6.0-6.5 $3\#$ $80-120\#$ $-$ low8020Camelinabees, SC, food, feed2 wks before to 2 wks after FF $5.6-6.5$ $1/4\#$ $5-10\#$ $-$ low8021Chicory, ForagepastureSoil over 55° $5.7.5$ $1/4\#$ $10\#$ $-$ low8025Clover, Crimsonpasture, hay, N-fix, WC, beesSoil over 55° $5.7.5$ $1/2\#$ $12.50\#$ mediummedium8037ffClover, White, all typesN-fix, OM, beesSoil over 55° $5.7.5$ $1/2#$ $15-20\#$ mediummedium8046Clover, Yellow SweetN-fix, OM, lawn, EC, beesLate Winter to FF $6.5.7.5$ $1/2#$ $15-20\#$ highmedium8060Cover, Yellow SweetN-fix, OM, lawn, EC, beesSpring & Summer $6.0-7.0$ $1/2#$ $15-20\#$ mediumhigh8061CR Lawn Mixlawn, orchard groundcoverLF to MS $6.0-7.0$ $1/2#$ $25.\%$ mediumhigh8064Millet, JapaneseWC, OM, SC, silage, hay, pasture2 wks before LF, to MS $5.5-6.0$ $1\#$ $40-60\#$ $-$ high8076ffOats, all typesWC, OM, SC, traw, feedSoil over 50°, Spring to FF $5.0-6.5$ $3.4\#$ $20-40\#$ $-$ high8088Orchard Grasspasture, silage, N-fix, WCMid-Spring to Late Summer $6.0-7.0$ $1\#$ $40-50\#$ $-$ high8097Pea, Field/Foragepasture, silage, N-fix, WCMid-Spring to La			1						
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8062Magic Carpet MixOM, WC, bees, SC, ECEarly to Mid-Spring $6.0-7.0$ $1/2#$ $25#$ mediummedium8064Millet, JapaneseWC, OM, SC, silage, hay, pasture2 wks before LF, to MS $5.5-6.0$ $1#$ $40-60#$ $-$ high8070MustardPC, SCSpring to FF $5.5-8.3$ $1#$ $15-25#$ $-$ low8076ffOats, all typesWC, OM, straw, feedSoil over 50°, Spring to FF $5.0-6.5$ $3-4#$ $100-150#$ $-$ high8088Orchard Grasspasture, hayLate Winter to Late Summer $5.8-7.5$ $1#$ $20-40\mu$ $-$ high8094Pasture MixpastureMid-Spring to Late Summer $6.0-7.0$ $1#$ $40-50#$ lowhigh8097Pea, Field/Foragepasture, silage, N-fix, WCSpring, soil over $45^\circ$ $6.0-7.0$ $5#$ $100-200#$ mediumlow8103PVO MixOM, N-fix, WCMid-Spring to Late Summer $6.0-7.0$ $5#$ $100-200#$ mediummedium8105Radish, DaikonSC, ECLate Summer to FF $6.0-7.0$ $5#$ $100-200#$ mediummedium8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before tF to FF $5.0-7.0$ $3-5#$ $100-200#$ $-$ high8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over $50^\circ$ $6.0-7.0$ $1-2#$ $30-60#$ $-$ high8133Sunn HempOM, N-fix, PCSoil over $50^\circ$ $6.0-7.0$ $1-2#$								medium	
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8070MustardPC, SCSpring to FF5.5-8.3 $1\#$ $15-25\#$ $-$ low8076ff Oats, all typesWC, OM, straw, feedSoil over 50°, Spring to FF $5.0-6.5$ $3-4\#$ $100-150\#$ $-$ high8088Orchard Grasspasture, hayLate Winter to Late Summer $5.8-7.5$ $1\#$ $20-40\#$ $-$ high8094Pasture Mixpasturemasture, silage, N-fix, WCSpring to Late Summer $6.0-7.0$ $1\#$ $40-50\#$ moduhigh8097Pea, Field/Foragepasture, silage, N-fix, WCSpring, soil over 45° $6.0-7.0$ $5\#$ $100-200\#$ mediummedium8103PVO MixOM, N-fix, WCMid-Spring to Late Summer $6.0-7.5$ $1/2\#$ $5-15\#$ $-$ low8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5\#$ $100-200\#$ $-$ high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5\#$ $100-200\#$ $-$ high8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over 50° $6.0-7.0$ $1-2\#$ $25-35\#$ $-$ high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2\#$ $30-50\#$ medium8133Sunn HempOM, N-fix, PCSoil over 60°, to Late Summer $5.0-7.5$ $1-2\#$ $30-50\#$ medium8133Vath, HairyN-fixMid-Spring to Late Summer $5.5$		Magic Carpet Mix	OM, WC, bees, SC, EC					medium	medium
8076ff Oats, all typesWC, OM, straw, feedSoil over 50°, Spring to FF $5.0-6.5$ $3-4\#$ $100-150\#$ $-$ high8088Orchard Grasspasture, hayLate Winter to Late Summer $5.8-7.5$ $1\#$ $20-40\#$ $-$ high8094Pasture MixpastureMid-Spring to Late Summer $6.0-7.0$ $1\#$ $40-50\#$ lowhigh8097Pea, Field/Foragepasture, silage, N-fix, WCSpring, soil over $45^\circ$ $6.0-7.0$ $5\#$ $100-200\#$ mediumlow8103PVO MixOM, N-fix, WCMid-Spring to Late Summer $6.0-7.0$ $5\#$ $150-200\#$ mediummedium8105Radish, DaikonSC, ECLate Summer to FF $6.0-7.5$ $1/2\#$ $5-15\#$ $-$ low8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5\#$ $100-200\#$ $-$ high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF $6.0-7.0$ $2-3\#$ $80-100\#$ lowhigh8124Ryegrass, AnnualOM, WC, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2\#$ $30-50\#$ medium8133Sunn HempOM, N-fix, PCSoil over $60^\circ$ , to Late Summer $5.7.7.0$ $1/2\#$ $1-215\#$ $-$ high8139Vetch, Hairyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2\#$ $12-15\#$ $-$ high8134Wheat, SpringOM, foodSoil over $50^\circ$ $6.0-7.0$ $1/2\#$	8064	Millet, Japanese	WC, OM, SC, silage, hay, pasture	2 wks before LF, to MS	5.5-6.0	1#	40-60#	—	high
8088Orchard Grasspasture, hayLate Winter to Late Summer $5.8-7.5$ $1\#$ $20-40\#$ $-$ high8094Pasture MixpastureMid-Spring to Late Summer $6.0-7.0$ $1\#$ $40-50\#$ lowhigh8097Pea, Field/Foragepasture, silage, N-fix, WCSpring, soil over $45^{\circ}$ $6.0-7.0$ $5\#$ $100-200\#$ mediumlow8103PVO MixOM, N-fix, WCMid-Spring to Late Summer $6.0-7.0$ $5\#$ $100-200\#$ mediummedium8105Radish, DaikonSC, ECLate Summer to FF $6.0-7.5$ $1/2\#$ $5-15\#$ —low8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5\#$ $100-200\#$ —high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF $6.0-7.0$ $2-3\#$ $80-100\#$ lowhigh8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2\#$ $25-35\#$ —high8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.5$ $1-2\#$ $30-50\#$ mediummedium8136Timothyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2\#$ $12-15\#$ —high8139Vetch, HairyN-fixMid-Spring to FF $6.0-7.0$ $1/2\#$ $12-15\#$ —high8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4\#$ $100-125\#$ <td>8070</td> <td>Mustard</td> <td>PC, SC</td> <td>Spring to FF</td> <td>5.5-8.3</td> <td>1#</td> <td>15-25#</td> <td>_</td> <td>low</td>	8070	Mustard	PC, SC	Spring to FF	5.5-8.3	1#	15-25#	_	low
8094 Pasture Mix pasture Mix pasture Mix pasture, silage, N-fix, WCMid-Spring to Late Summer Spring, soil over $45^{\circ}$ 6.0-7.01# 40-50#40-50# lowlow high high8097Pea, Field/Forage pasture, silage, N-fix, WCSpring, soil over $45^{\circ}$ 6.0-7.05#100-200# mediummedium low8103PVO MixOM, N-fix, WCMid-Spring to Late Summer Mid-Spring to Late Summer6.0-7.05#150-200# mediummedium medium8105Radish, DaikonSC, ECLate Summer to FF6.0-7.51/2#5-15#—low8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF5.0-7.03-5#100-200#—high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF6.0-7.01-2#25-35#—high8124Ryegrass, Annual Pasture, WC, OM, EC, SC-NSoil over 50°6.0-7.51-2#30-50#—high8133Sunn HempOM, N-fix, PCSoil over 60°, to Late Summer5.0-7.51-2#30-50#mediummedium8136Timothy hay, pastureMid-Spring to Late Summer5.5-7.01/2#12-15#—high8139Vetch, HairyN-fixMid-Spring to FF6.0-7.01#25-40#mediumlow8143Wheat, SpringOM, foodSoil over 50°6.0-7.03-4#100-125#—medium	8076ff	Oats, all types	WC, OM, straw, feed	Soil over 50°, Spring to FF	5.0-6.5	3-4#	100-150#	_	high
8097Pea, Field/Forage pasture, silage, N-fix, WCSpring, soil over $45^{\circ}$ 6.0-7.0 $5\#$ 100-200# mediummedium medium8103PVO MixOM, N-fix, WCMid-Spring to Late Summer $6.0-7.0$ $5\#$ $150-200#$ mediummediummedium8105Radish, DaikonSC, ECLate Summer to FF $6.0-7.5$ $1/2#$ $5-15#$ —low8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5#$ $100-200#$ —high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF $6.0-7.0$ $2-3#$ $80-100#$ lowhigh8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2#$ $25-35#$ —high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2#$ $30-60#$ —high8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.0$ $1/2#$ $12-15#$ —high8136Timothyhay, pastureMid-Spring to Late Summer $5.0-7.0$ $1/2#$ $12-15#$ —high8139Vetch, HairyN-fixMid-Spring to FF $6.0-7.0$ $1#$ $25-40#$ mediumlow8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4#$ $100-125#$ —medium	8088	Orchard Grass	pasture, hay	Late Winter to Late Summer	5.8-7.5	1#	20-40#	_	high
8097Pea, Field/Forage Pasture, silage, N-fix, WCSpring, soil over $45^{\circ}$ 6.0-7.05#100-200# mediummediumlow8103PVO MixOM, N-fix, WCMid-Spring to Late Summer6.0-7.05#150-200#mediummediummedium8105Radish, DaikonSC, ECLate Summer to FF6.0-7.5 $1/2#$ $5-15#$ —low8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5#$ $100-200#$ —high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF $6.0-7.0$ $2-3#$ $80-100#$ lowhigh8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2#$ $25-35#$ —high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2#$ $30-60#$ —high8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.5$ $1-2#$ $30-50#$ mediummedium8136Timothyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2#$ $12-15#$ —high8139Vetch, HairyN-fixMid-Spring to FF $6.0-7.0$ $1#$ $25-40#$ mediumlow8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4#$ $100-125#$ —medium	8094	Pasture Mix	pasture	Mid-Spring to Late Summer	6.0-7.0	1#	40-50#	low	high
8105Radish, DaikonSC, ECLate Summer to FF $6.0-7.5$ $1/2\#$ $5-15\#$ $-$ low8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5\#$ $100-200\#$ $-$ high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF $6.0-7.0$ $2-3\#$ $80-100\#$ lowhigh8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2\#$ $25-35\#$ $-$ high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2\#$ $30-60\#$ $-$ high8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.5$ $1-2\#$ $30-50\#$ medium8136Timothyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2\#$ $12-15\#$ $-$ high8139Vetch, HairyN-fixMid-Spring to FF $6.0-7.0$ $1\#$ $25-40\#$ mediumlow8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4\#$ $100-125\#$ $-$ medium	8097	Pea, Field/Forage	pasture, silage, N-fix, WC	Spring, soil over 45°	6.0-7.0	5#	100-200#	medium	low
8109Rye, WinterOM, WC, SC, food, EC2 wks before to 2 wks after FF $5.0-7.0$ $3-5\#$ $100-200\#$ -high8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF $6.0-7.0$ $2-3\#$ $80-100\#$ lowhigh8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2\#$ $25-35\#$ -high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2\#$ $30-50\#$ medium8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.5$ $1-2\#$ $30-50\#$ medium8139Vetch, Hairyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2\#$ $12-15\#$ -high8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4\#$ $100-125\#$ -medium	8103	PVO Mix	OM, N-fix, WC	Mid-Spring to Late Summer	6.0-7.0	5#	150-200#	medium	medium
8112Rye/Vetch MixN-fix, OM, WC, EC2 wks before FF to FF $6.0-7.0$ $2-3\#$ $80-100\#$ lowhigh8121Ryegrass, AnnualOM, WC, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2\#$ $25-35\#$ $-$ high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2\#$ $30-60\#$ $-$ high8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.5$ $1-2\#$ $30-50\#$ mediummedium8136Timothyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2\#$ $12-15\#$ $-$ high8139Vetch, HairyN-fixMid-Spring to FF $6.0-7.0$ $1\#$ $25-40\#$ mediumlow8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4\#$ $100-125\#$ $-$ medium	8105	Radish, Daikon	SC, EC	Late Summer to FF	6.0-7.5	1/2#	5-15#	_	low
8121Ryegrass, Annual Migerass, PerennialOM, WC, EC, SC-N pasture, WC, OM, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2\#$ $25-35\#$ $-$ high high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2\#$ $30-60\#$ $-$ high8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.5$ $1-2\#$ $30-50\#$ mediummedium8136Timothyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2\#$ $12-15\#$ $-$ high8139Vetch, HairyN-fixMid-Spring to FF $6.0-7.0$ $1\#$ $25-40\#$ mediumlow8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4\#$ $100-125\#$ $-$ medium	8109	Rye, Winter	OM, WC, SC, food, EC	2 wks before to 2 wks after FF	5.0-7.0	3-5#	100-200#	_	high
8121Ryegrass, Annual Ryegrass, PerennialOM, WC, EC, SC-NSoil over $50^{\circ}$ $6.0-7.0$ $1-2\#$ $25-35\#$ $-$ high8124Ryegrass, Perennialpasture, WC, OM, EC, SC-N2 weeks before LF, to FF $5.2-8.0$ $1-2\#$ $30-60\#$ $-$ high8133Sunn HempOM, N-fix, PCSoil over $60^{\circ}$ , to Late Summer $5.0-7.5$ $1-2\#$ $30-50\#$ medium8136Timothyhay, pastureMid-Spring to Late Summer $5.5-7.0$ $1/2\#$ $12-15\#$ $-$ high8139Vetch, HairyN-fixMid-Spring to FF $6.0-7.0$ $1\#$ $25-40\#$ mediumlow8143Wheat, SpringOM, foodSoil over $50^{\circ}$ $6.0-7.0$ $3-4\#$ $100-125\#$ $-$ medium	8112	Rye/Vetch Mix	N-fix, OM, WC, EC	2 wks before FF to FF	6.0-7.0	2-3#	80-100#	low	high
	8121	Ryegrass, Annual	OM, WC, EC, SC-N	Soil over 50°	6.0-7.0	1-2#	25-35#	_	
8136         Timothy         hay, pasture         Mid-Spring to Late Summer         5.5-7.0         1/2#         12-15#         —         high           8139         Vetch, Hairy         N-fix         Mid-Spring to FF         6.0-7.0         1#         25-40#         medium         low           8143         Wheat, Spring         OM, food         Soil over 50°         6.0-7.0         3-4#         100-125#         —         medium	8124	Ryegrass, Perennial	pasture, WC, OM, EC, SC-N	2 weeks before LF, to FF	5.2-8.0	1-2#	30-60#	_	
8136         Timothy         hay, pasture         Mid-Spring to Late Summer         5.5-7.0         1/2#         12-15#         —         high           8139         Vetch, Hairy         N-fix         Mid-Spring to FF         6.0-7.0         1#         25-40#         medium         low           8143         Wheat, Spring         OM, food         Soil over 50°         6.0-7.0         3-4#         100-125#         —         medium				Soil over 60°, to Late Summer	5.0-7.5		30-50#	medium	0
8139         Vetch, Hairy         N-fix         Mid-Spring to FF         6.0-7.0         1#         25-40#         medium         low           8143         Wheat, Spring         OM, food         Soil over 50°         6.0-7.0         3-4#         100-125#         —         medium					5.5-7.0		12-15#	_	
8143 Wheat, Spring OM, food Soil over 50° 6.0-7.0 3-4# 100-125# — medium		2			6.0-7.0	1#	25-40#	medium	



Our costs fluctuate with the weather, transportation costs and availability. We will make every effort to honor the prices published in the catalog, but if we have to purchase additional inventory we will adjust prices accordingly. See our website for the most current prices or call 207-426-9900 if you have questions.

## fedcoseeds.com

Where variety is not stated, plant characteristics may vary because we purchase seed from multiple suppliers based on price and availability.

## Chart Key: ff=and following <sup>1</sup>Best Uses:

bees: provides bee forage for honey production

feed: produces a grain or bean suitable for animal consumption

food: produces a grain or bean suitable for human consumption

EC: erosion control-roots hold soil well

hay: maintains nutritional quality when dried

lawn: suitable for heavy traffic areas, withstands mowing

N-fix: green manure fixes nitrogen, available to subsequent crops when tilled into soil OM: organic matter-soil builder green manure, produces fibrous biomass and

improves soil structure

pasture: superior nutrition and yield, withstands grazing

PC: pest control-reduces insect, disease, or nematode pressure

SC: scavenger crop-quickly takes up nutrients from soil, preventing their loss to erosion or leaching. N: nitrogen, P: phosphorus

WC: weed control-physically out-competes or chemically inhibits weeds

<sup>2</sup>Planting Time:

- **LF** = Last Frost in spring
- **FF** = First Frost in autumn
- MS = Midsummer

<sup>3</sup>Seeding rates are based on drilled seed in organically managed fields. Seeding rates vary depending on crop use, timeliness of planting, method of seeding, weed pressure, soil conditions, seed size, and whether the crop is planted alone or in a mix.

- If you need help figuring out what seeding rate to use, please give us a call. For most seed, use the smaller amount in mixes and the larger amount solo.
- For broadcasting, increase 20-25%.
- For use in precision planters, decrease 10-50%.
- For late planting, increase 20-50%. For forage or weed control uses, increase 30-50%.

<sup>4</sup>Nitrogen Fixation: Rhizobial bacteria form symbiotic relationships specifically with the roots of leguminous crops to convert atmospheric nitrogen (which is unavailable to plants) to ammonia and nitrates (which are available to plants). Legumes can often furnish nearly all of their own nitrogen needs this way-exactly how much depends on the species, the soil structure, and weather conditions. If the crop is removed from the field, the fixed nitrogen is removed as well, with little or no residual added nitrogen remaining in the soil; however, if the crop is turned in and incorporated into the soil, the fixed nitrogen is added to the soil and is available in slow-release forms to the following crop. Legume species have varying capacity to fix atmospheric nitrogen.

<sup>5</sup>Organic Matter, or Biomass: These ratings reflect relative quantities of fibrous biomass. Succulent biomass makes a rapid contribution to available soil nutrients but does not contribute to the long-term carbon content of the soil. Fibrous biomass helps build humus, which improves soil texture and increases nutrient-holding capacity.