### Table 14. Garden City, Finney County Dryland Grain Sorghum Performance Test, 2018-2020

<table>
<thead>
<tr>
<th>BRAND</th>
<th>NAME</th>
<th>ACRE YIELD, BUSHELS</th>
<th>YIELD AS % OF TEST AVERAGE</th>
<th>TW</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEKALB</td>
<td>DKS29-95</td>
<td>42</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DEKALB</td>
<td>DKS33-07</td>
<td>47</td>
<td>112</td>
<td>44</td>
</tr>
<tr>
<td>DEKALB</td>
<td>DKS36-07</td>
<td>55</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DEKALB</td>
<td>DKS38-16</td>
<td>54</td>
<td>112</td>
<td>52</td>
</tr>
<tr>
<td>DEKALB</td>
<td>DKS44-07</td>
<td>61</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DEKALB</td>
<td>DKS45-23</td>
<td>45</td>
<td>112</td>
<td>78</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>GX199B1</td>
<td>66</td>
<td>97</td>
<td>--</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>GX20564</td>
<td>41</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>M60GB31</td>
<td>47</td>
<td>114</td>
<td>61</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>M62GB77</td>
<td>43</td>
<td>101</td>
<td>--</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>M69GB38</td>
<td>52</td>
<td>97</td>
<td>--</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>M69GR88</td>
<td>51</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>M71GR91</td>
<td>38</td>
<td>78</td>
<td>--</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>M72GB71</td>
<td>67</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DYNA-GRO</td>
<td>M74GB17</td>
<td>50</td>
<td>72</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>18036</td>
<td>41</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>18057</td>
<td>65</td>
<td>94</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>18062</td>
<td>49</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>18063</td>
<td>54</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>18072</td>
<td>56</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>18094</td>
<td>70</td>
<td>91</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>18096</td>
<td>49</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>18238</td>
<td>63</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>18338</td>
<td>54</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>18345</td>
<td>49</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>18350</td>
<td>53</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>18567</td>
<td>56</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>19001</td>
<td>72</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>19009</td>
<td>42</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>19014</td>
<td>57</td>
<td>89</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>19015</td>
<td>53</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>19016</td>
<td>44</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>19017</td>
<td>46</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>19021</td>
<td>39</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>19023</td>
<td>42</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>20132</td>
<td>74</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>20136</td>
<td>41</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>20138</td>
<td>60</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>20150</td>
<td>45</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>20153</td>
<td>45</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>WARD SEED</td>
<td>20312</td>
<td>67</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>GAYLAND</td>
<td>20313</td>
<td>55</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
Table 14. Garden City, Finney County Dryland Grain Sorghum Performance Test, 2018-2020

<table>
<thead>
<tr>
<th>BRAND</th>
<th>NAME</th>
<th>ACRE YIELD, BUSHELS</th>
<th>YIELD AS % OF TEST AVERAGE</th>
<th>TW (lb/bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOLDEN ACRES</td>
<td>2620C</td>
<td>53 75 54 61</td>
<td>99 87 92</td>
<td>58</td>
</tr>
<tr>
<td>GOLDEN ACRES</td>
<td>2730B</td>
<td>50 85 52 62</td>
<td>93 98 89</td>
<td>61</td>
</tr>
<tr>
<td>MATURITY CHECK DEKALB EARLY</td>
<td>64 69 79 71</td>
<td>119 79 134</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td>MATURITY CHECK DEKALB LATE</td>
<td>46 80 43 56</td>
<td>86 92 73</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>MATURITY CHECK DEKALB MED</td>
<td>56 98 50 68</td>
<td>105 112 85</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>MATURITY CHECK EARLY</td>
<td>76 102 65 81</td>
<td>142 118 111</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>MATURITY CHECK LATE</td>
<td>47 81 49 59</td>
<td>88 93 83</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td>MATURITY CHECK MED</td>
<td>88 82 59 76</td>
<td>164 95 101</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td>SORGHUM PARTNERS SP 31A15</td>
<td>79 76 50 68</td>
<td>148 87 86</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>SORGHUM PARTNERS SP 43M80</td>
<td>50 79 -- 65</td>
<td>94 92 --</td>
<td>57</td>
<td></td>
</tr>
<tr>
<td>SORGHUM PARTNERS SP 68M57</td>
<td>59 93 72 75</td>
<td>109 100 122</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td>54 87 58 66</td>
<td>100 100 100</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td>CV (%)</td>
<td>11 10 9 --</td>
<td>11 10 9</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LSD (0.05)</td>
<td>11 12 9 --</td>
<td>15 14 15</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

*Yields must differ by more than the LSD value to be considered statistically different.*

Cooperator: Kansas State University Southwest Research-Extension Center
Fertilizer: 100-0-0 lb/a N, P, K
Herbicide: 75 oz/a Lumax
Soil Series: Keith silt loam
Target population: 45,000 plants
Planted: 6/5/20
Harvested: 12/1/20

<table>
<thead>
<tr>
<th>Monthly rainfall (in)</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>0.1</td>
<td>0.7</td>
<td>1.9</td>
<td>5.2</td>
<td>1.9</td>
<td>9.8</td>
</tr>
<tr>
<td>Long-term average</td>
<td>1.7</td>
<td>3.0</td>
<td>3.1</td>
<td>2.8</td>
<td>2.5</td>
<td>13.2</td>
</tr>
<tr>
<td>Departure</td>
<td>-3.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>