ZINC IN NOVEMBER 2018

Domestic mine production (recoverable) of zinc in November 2018 was 56,200 metric tons (t) (tables 1, 2). Average daily mine production in November was 1,870 t, 27% less than that in October and 22% less than that in November 2017 (fig. 1).

Figure 1. Average daily domestic zinc mine production (recoverable) from November 2016 through November 2018.

Stocks and Prices

Global London Metal Exchange Ltd. (LME) stocks of Special High Grade (SHG) zinc were 112,575 t in November, 22% less than stocks at the end of October and 47% less than stocks at the end of November 2017 (fig. 2, table 7).

The monthly average Platts Metals Week North American SHG zinc price in November 2018 was $1.26 per pound, 3% less than that in October and 19% less than that in November 2017 (fig. 3, table 6). The November 2018 average LME cash price for SHG zinc was $2,592.28 per metric ton, 3% less than that in the previous month and 20% less than that in November 2017 (table 6).

Figure 2. Global LME stocks of Special High Grade zinc, monthend, from November 2016 through November 2018. Source: London Metal Exchange Ltd.

The North American premium to the LME cash price in November 2018 averaged about 8.53 cents per pound, essentially unchanged from that in October and 3% more than that in November 2017 (fig. 3, table 6).
Figure 3. Average monthly North American price and premium for Special High Grade zinc from November 2016 through November 2018. Source: Platts Metals Week.

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### TABLE 1

**SALIENT ZINC STATISTICS**

(Metric tons, unless otherwise specified)

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>January–</td>
<td>October</td>
<td>November</td>
</tr>
<tr>
<td></td>
<td>December&lt;sup&gt;2&lt;/sup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Production:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mine, zinc content of concentrate&lt;sup&gt;3&lt;/sup&gt;</td>
<td>774,000</td>
<td>81,900</td>
<td>58,100</td>
</tr>
<tr>
<td>Mine, recoverable zinc&lt;sup&gt;2&lt;/sup&gt;</td>
<td>748,000</td>
<td>79,100</td>
<td>56,200</td>
</tr>
<tr>
<td>Smelter, refined zinc&lt;sup&gt;5&lt;/sup&gt;</td>
<td>132,000</td>
<td>9,920&lt;sup&gt;r&lt;/sup&gt;</td>
<td>9,920</td>
</tr>
<tr>
<td>Consumption of refined zinc, apparent&lt;sup&gt;4&lt;/sup&gt;</td>
<td>829,000</td>
<td>86,000&lt;sup&gt;r&lt;/sup&gt;</td>
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<td><strong>Imports for consumption:</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>6,780</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Refined zinc</td>
<td>729,000</td>
<td>77,400</td>
<td>57,200</td>
</tr>
<tr>
<td><strong>Exports:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>682,000</td>
<td>75,700</td>
<td>24,900</td>
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<tr>
<td>Refined zinc</td>
<td>32,200</td>
<td>1,350</td>
<td>2,070</td>
</tr>
<tr>
<td><strong>Price:</strong></td>
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<td></td>
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<tr>
<td>London Metal Exchange cash, average,</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>dollars per metric ton</td>
<td>2,893.52</td>
<td>2,671.26</td>
<td>2,592.28</td>
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<tr>
<td>Platts Metals Week North American, average,</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>cents per pound</td>
<td>139.28</td>
<td>129.65</td>
<td>126.11</td>
</tr>
</tbody>
</table>

<sup>1</sup>Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

<sup>2</sup>May include revisions to previously published data.

<sup>3</sup>Reported zinc content in both zinc and lead concentrates.

<sup>4</sup>Smelter production plus imports for consumption minus domestic exports.

<sup>5</sup>Special High Grade Zinc.
<table>
<thead>
<tr>
<th>Period</th>
<th>Mine(^2)</th>
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<th></th>
<th></th>
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<td>Zinc content</td>
<td>Recoverable</td>
<td>Smelter(^3)</td>
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<td><strong>2017:</strong></td>
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<tr>
<td>November</td>
<td>74,500</td>
<td>72,100</td>
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<tr>
<td>December</td>
<td>64,800</td>
<td>62,700</td>
<td>11,900</td>
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<tr>
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<td>748,000</td>
<td>132,000</td>
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<tr>
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</tr>
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<td>January</td>
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<td>57,600</td>
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<td></td>
</tr>
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<td>March</td>
<td>54,900</td>
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<td>11,300</td>
<td></td>
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<tr>
<td>April</td>
<td>67,700</td>
<td>65,900</td>
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<td></td>
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<tr>
<td>May</td>
<td>72,500</td>
<td>70,100</td>
<td>10,600</td>
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<tr>
<td>June</td>
<td>77,500</td>
<td>74,900</td>
<td>10,600</td>
<td></td>
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<tr>
<td>July</td>
<td>77,700</td>
<td>75,100</td>
<td>8,920</td>
<td></td>
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<td>August</td>
<td>70,300</td>
<td>68,000</td>
<td>8,920</td>
<td></td>
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<tr>
<td>September</td>
<td>71,700</td>
<td>70,500</td>
<td>8,920</td>
<td></td>
</tr>
<tr>
<td>October</td>
<td>81,900</td>
<td>79,100</td>
<td>9,920 (^1)</td>
<td></td>
</tr>
<tr>
<td>November</td>
<td>58,100</td>
<td>56,200</td>
<td>9,920</td>
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</tr>
<tr>
<td>January–November</td>
<td>757,000</td>
<td>734,000</td>
<td>106,000</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\)Estimated. \(^3\)Revised.

Data are rounded to no more than three significant digits; may not add to totals shown.

\(^2\)Includes the zinc content in both lead and zinc concentrates.
<table>
<thead>
<tr>
<th>Material</th>
<th>2017</th>
<th></th>
<th>2018</th>
<th></th>
<th>January–November&lt;sup&gt;2&lt;/sup&gt;</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Quantity (metric tons)</td>
<td>Value (thousands)</td>
<td>Quantity (metric tons)</td>
<td>Value (thousands)</td>
<td>Quantity (metric tons)</td>
<td>Value (thousands)</td>
</tr>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>6,780</td>
<td>$14,900</td>
<td>--</td>
<td>--</td>
<td>32</td>
<td>$23</td>
</tr>
<tr>
<td>Unwrought:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refined zinc</td>
<td>729,000</td>
<td>2,060,000</td>
<td>57,200</td>
<td>$154,000</td>
<td>715,000</td>
<td>2,190,000</td>
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<td>Zinc alloys</td>
<td>7,970</td>
<td>23,400</td>
<td>122</td>
<td>350</td>
<td>4,250</td>
<td>13,900</td>
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<tr>
<td>Wrought:</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bars, rods, profiles, wire</td>
<td>2,980</td>
<td>11,400</td>
<td>332</td>
<td>1,180</td>
<td>3,260</td>
<td>13,200</td>
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<tr>
<td>Plates, sheets, strip, foil</td>
<td>3,690</td>
<td>14,800</td>
<td>289</td>
<td>847</td>
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<td>15,100</td>
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<td>Ash and residues:</td>
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<td></td>
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<td>Hard zinc spelter</td>
<td>190</td>
<td>344</td>
<td>19</td>
<td>31</td>
<td>19</td>
<td>31</td>
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<tr>
<td>Zinc dross and skimmings</td>
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<td>11,900</td>
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<td>324</td>
<td>4,050</td>
<td>7,780</td>
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<tr>
<td>Other (zinc content)</td>
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<td>297</td>
<td>199</td>
<td>922</td>
<td>617</td>
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<td>Other:</td>
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<td>Powders, flakes, dust</td>
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<td>97,600</td>
<td>2,000</td>
<td>7,820</td>
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<td>100,000</td>
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<td>1,700</td>
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<td>21,100</td>
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<td>Chemicals:</td>
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<td>Lithopone</td>
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<td>1,860</td>
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<td>28</td>
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<td>723</td>
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<td>Zinc oxide</td>
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<td>77</td>
<td>179</td>
<td>1,570</td>
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<tr>
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<td>9,180</td>
<td>9,720</td>
<td>89,700</td>
<td>96,600</td>
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<td>Zinc sulfide</td>
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<td>6,490</td>
<td>142</td>
<td>666</td>
<td>2,460</td>
<td>9,880</td>
</tr>
</tbody>
</table>

<sup>1</sup>Data are rounded to no more than three significant digits.

<sup>2</sup>May include revisions to previously published data.

Source: U.S. Census Bureau.
### Table 4
U.S. Imports of Zinc, by Type of Material and Country or Locality

(Metric tons, gross weight, unless otherwise specified)

<table>
<thead>
<tr>
<th>Material and country or locality</th>
<th>General imports</th>
<th>Imports for consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2017</td>
<td>2018</td>
</tr>
<tr>
<td></td>
<td>November</td>
<td>January–November</td>
</tr>
<tr>
<td>Ore and concentrate (zinc content):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>23</td>
<td>--</td>
</tr>
<tr>
<td>China</td>
<td>--</td>
<td>32</td>
</tr>
<tr>
<td>Peru</td>
<td>6,760</td>
<td>--</td>
</tr>
<tr>
<td>Total</td>
<td>6,780</td>
<td>32</td>
</tr>
<tr>
<td>Refined zinc:</td>
<td></td>
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</tr>
<tr>
<td>Australia</td>
<td>47,700</td>
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</tr>
<tr>
<td>Belgium</td>
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<td>18,300</td>
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<tr>
<td>Canada</td>
<td>393,000</td>
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<tr>
<td>China</td>
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</tr>
<tr>
<td>Japan</td>
<td>--</td>
<td>22</td>
</tr>
<tr>
<td>Korea, Republic of</td>
<td>2,010</td>
<td>--</td>
</tr>
<tr>
<td>Mexico</td>
<td>86,900</td>
<td>8,790</td>
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<tr>
<td>Namibia</td>
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<td>450</td>
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<tr>
<td>Netherlands</td>
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<td>3,070</td>
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<tr>
<td>Peru</td>
<td>54,400</td>
<td>3,310</td>
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<td>Poland</td>
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<td>349</td>
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<td>Spain</td>
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<td>20,000</td>
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<td>Taiwan</td>
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<td>Other [5 countries and (or) localities]</td>
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<td>Total</td>
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<td>Oxide:</td>
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<tr>
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<tr>
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<td>Hong Kong</td>
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<td>Mexico</td>
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<td>Netherlands</td>
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<td>Peru</td>
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<td>Spain</td>
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<td>Taiwan</td>
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<td>Thailand</td>
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<td>United Kingdom</td>
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<td>Other [7 countries and (or) localities]</td>
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<td>201</td>
</tr>
<tr>
<td>Total</td>
<td>114,000</td>
<td>8,280</td>
</tr>
</tbody>
</table>

-- Zero.
1Data are rounded to no more than three significant digits; may not add to totals shown.
2May include revisions to previously published data.
3Less than ½ unit.

Source: U.S. Census Bureau.
TABLE 5
U.S. EXPORTS OF ZINC$^{1}$

(Gross weight, unless otherwise specified)

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<thead>
<tr>
<th>Material</th>
<th>2017</th>
<th></th>
<th>Value</th>
<th>2018</th>
<th></th>
<th>Value</th>
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<td>Value (thousands)</td>
<td>Quantity (metric tons)</td>
<td>Value (thousands)</td>
<td>Quantity (metric tons)</td>
<td>Value (thousands)</td>
</tr>
<tr>
<td>Ore and concentrate (zinc content)</td>
<td>682,000</td>
<td>$1,430,000</td>
<td>24,900</td>
<td>$54,600</td>
<td>753,000</td>
<td>$1,440,000</td>
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<tr>
<td>Unwrought:</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refined zinc</td>
<td>32,200</td>
<td>76,000</td>
<td>2,070</td>
<td>5,350</td>
<td>19,600</td>
<td>48,400</td>
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<td>Zinc alloys</td>
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<td>42,600</td>
<td>1,260</td>
<td>3,800</td>
<td>20,000</td>
<td>61,700</td>
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<td></td>
</tr>
<tr>
<td>Bars, rods, profiles, wire</td>
<td>9,110</td>
<td>22,100</td>
<td>911</td>
<td>2,510</td>
<td>9,710</td>
<td>28,100</td>
</tr>
<tr>
<td>Plates, sheets, strip, foil</td>
<td>7,670</td>
<td>29,400</td>
<td>459</td>
<td>1,880</td>
<td>6,750</td>
<td>28,200</td>
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<tr>
<td>Ash and residues:</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hard zinc spelter</td>
<td>8,360</td>
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<td>904</td>
<td>1,510</td>
<td>7,500</td>
<td>14,600</td>
</tr>
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<td>Other (zinc content)</td>
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<td>31,700</td>
<td>2,160</td>
<td>3,670</td>
<td>21,500</td>
<td>39,300</td>
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<td>Other:</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powders, flakes, dust</td>
<td>12,800</td>
<td>40,700</td>
<td>1,190</td>
<td>4,120</td>
<td>12,100</td>
<td>51,600</td>
</tr>
<tr>
<td>Waste and scrap</td>
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<td>41,100</td>
<td>2,090</td>
<td>2,910</td>
<td>37,200</td>
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<td>Chemicals:</td>
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<td></td>
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<td>4,630</td>
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<td>163</td>
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<td>66,100</td>
<td>90,100</td>
<td>7,650</td>
<td>9,700</td>
<td>56,800</td>
<td>86,800</td>
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<td>Zinc chloride</td>
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<td>198</td>
<td>346</td>
</tr>
<tr>
<td>Zinc sulfate</td>
<td>776</td>
<td>871</td>
<td>59</td>
<td>43</td>
<td>900</td>
<td>778</td>
</tr>
<tr>
<td>Zinc sulfide</td>
<td>636</td>
<td>16,200</td>
<td>93</td>
<td>1,030</td>
<td>1,650</td>
<td>15,000</td>
</tr>
</tbody>
</table>

-- Zero

$^{1}$Data are rounded to no more than three significant digits.

$^{2}$May include revisions to previously published data.

Source: U.S. Census Bureau.
### TABLE 6
AVERAGE PRICES FOR SPECIAL HIGH GRADE ZINC

<table>
<thead>
<tr>
<th>Period</th>
<th>North American(^1)</th>
<th>London Metal Exchange(^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>£/lb.</td>
<td>£/lb.</td>
</tr>
<tr>
<td>2017:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>November</td>
<td>155.02</td>
<td>146.77</td>
</tr>
<tr>
<td>December</td>
<td>152.81</td>
<td>144.79</td>
</tr>
<tr>
<td>January–December</td>
<td>139.28</td>
<td>131.25</td>
</tr>
<tr>
<td>2018:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>January</td>
<td>164.36</td>
<td>156.34</td>
</tr>
<tr>
<td>February</td>
<td>169.06</td>
<td>160.54</td>
</tr>
<tr>
<td>March</td>
<td>157.07</td>
<td>148.78</td>
</tr>
<tr>
<td>April</td>
<td>153.19</td>
<td>144.72</td>
</tr>
<tr>
<td>May</td>
<td>147.20</td>
<td>138.68</td>
</tr>
<tr>
<td>June</td>
<td>148.50</td>
<td>140.22</td>
</tr>
<tr>
<td>July</td>
<td>128.85</td>
<td>120.57</td>
</tr>
<tr>
<td>August</td>
<td>122.14</td>
<td>113.85</td>
</tr>
<tr>
<td>September</td>
<td>118.74</td>
<td>110.35</td>
</tr>
<tr>
<td>October</td>
<td>129.65</td>
<td>121.17</td>
</tr>
<tr>
<td>November</td>
<td>126.11</td>
<td>117.58</td>
</tr>
<tr>
<td>January–November</td>
<td>142.26</td>
<td>133.89</td>
</tr>
</tbody>
</table>

\(^1\) Platts Metals Week North American price. Based on the London Metal Exchange cash price plus premium.

\(^2\) Average of the cash buyer price and the cash seller and settlement price.

Source: Platts Metals Week.
### TABLE 7
LONDON METAL EXCHANGE (LME) STOCKS OF SPECIAL HIGH GRADE ZINC, END OF PERIOD

(Metric tons)

<table>
<thead>
<tr>
<th>Period</th>
<th>United States</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>New Orleans, LA</td>
<td>Total</td>
<td>Europe</td>
<td>Other</td>
<td>Total LME</td>
</tr>
<tr>
<td>2017:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>November</td>
<td>204,950</td>
<td>204,950</td>
<td>5,425</td>
<td>1,150</td>
<td>211,525</td>
</tr>
<tr>
<td>December</td>
<td>179,225</td>
<td>179,225</td>
<td>925</td>
<td>825</td>
<td>180,975</td>
</tr>
<tr>
<td>2018:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January</td>
<td>169,325</td>
<td>169,325</td>
<td>600</td>
<td>775</td>
<td>170,700</td>
</tr>
<tr>
<td>February</td>
<td>132,100</td>
<td>132,100</td>
<td>600</td>
<td>775</td>
<td>133,475</td>
</tr>
<tr>
<td>March</td>
<td>210,175</td>
<td>210,175</td>
<td>600</td>
<td>875</td>
<td>211,650</td>
</tr>
<tr>
<td>April</td>
<td>175,600</td>
<td>175,600</td>
<td>60,650</td>
<td>1,025</td>
<td>237,275</td>
</tr>
<tr>
<td>May</td>
<td>184,125</td>
<td>184,125</td>
<td>60,650</td>
<td>875</td>
<td>245,650</td>
</tr>
<tr>
<td>June</td>
<td>185,425</td>
<td>185,425</td>
<td>60,650</td>
<td>3,175</td>
<td>249,250</td>
</tr>
<tr>
<td>July</td>
<td>155,900</td>
<td>155,900</td>
<td>78,150</td>
<td>4,075</td>
<td>238,125</td>
</tr>
<tr>
<td>August</td>
<td>165,375</td>
<td>165,375</td>
<td>73,125</td>
<td>675</td>
<td>239,175</td>
</tr>
<tr>
<td>September</td>
<td>149,350</td>
<td>149,350</td>
<td>51,900</td>
<td>675</td>
<td>201,925</td>
</tr>
<tr>
<td>October</td>
<td>120,400</td>
<td>120,400</td>
<td>23,525</td>
<td>250</td>
<td>144,175</td>
</tr>
<tr>
<td>November</td>
<td>103,575</td>
<td>103,575</td>
<td>8,975</td>
<td>25</td>
<td>112,575</td>
</tr>
</tbody>
</table>

Source: London Metal Exchange, Ltd.