APPARENT CONSUMPTION OF INDUSTRIAL EXPLOSIVES AND BLASTING AGENTS IN THE UNITED STATES, 1983

Apparent consumption of explosives and blasting agents in the United States decreased 5% to 3.7 billion pounds, according to the Bureau of Mines, U.S. Department of the Interior. Apparent consumption is measured by sales reported by manufacturers.

Permissibles consumption decreased 19% and other high explosives consumption decreased 10% compared with that of 1982.

All principal consuming industries except quarrying and nonmetal mining and construction used fewer quantities of explosives and blasting agents in 1983 than in 1982. About 57% of the total weight was utilized in the mining of coal. Nearly all permissibles and 60% of ammonium nitrate-fuel oil blasting agents and unprocessed ammonium nitrate were consumed in coal mining. Other high explosives were used primarily in quarrying and nonmetal mining (32%) and construction (23%). The major uses of water gels and slurries were in coal mining (34%) and quarrying and nonmetal mining (34%). Most of the new class of blasting agent, Higher Strength Blasting Agents, also was used in coal mining (65%) and quarrying and nonmetal mining (23%).

Seven States collectively consumed 57% of all explosives and blasting agents used in the United States in 1983. These were, in order of consumption, Kentucky, Pennsylvania, Alabama, Ohio, Wyoming, West Virginia, and Virginia.
Classification of Industrial Explosives and Blasting Agents

"Apparent consumption" of explosives and blasting agents, as used in this report, means sales reported to the Institute of Makers of Explosives (IME) by IME members and provided to the Bureau of Mines on a proprietary basis, plus sales by nonmember manufacturers reported directly to the Bureau on Form 6-1439-A. Classification of explosives and blasting agents by type and use appears as reported by the manufacturers. Sales of explosives and blasting agents imported by nonmanufacturers are not included, but may be locally important. Some quantities are published in such a way as to avoid disclosing company proprietary data.

The principal distinction between explosives and blasting agents is related to their sensitivity to initiation. Explosives are cap-sensitive but blasting agents are not, and therefore require a primer. Only "high" explosives are currently reported. "Low" explosives, which burn very rapidly but do not detonate, include principally black powder and propellants. Black powder has not been reported in industrial use since 1971. Both explosives and blasting agents vary widely in composition, although most blasting agents are essentially mixtures of ammonium nitrate plus a fuel.

Water gels and slurries may be either explosives or blasting agents, but for convenience are classified separately in a recognizable category.

The six product classifications used in this report are the same as those adopted by IME. These are as follows:

1. Permissibles.—Grades of high explosives approved by brand name by the U.S. Bureau of Mines or the Mine Safety and Health Administration for use, in a prescribed manner, in underground coal mines, including water gels and slurries approved as permissibles.

2. Other High Explosives.—All high explosives except
   (a) permissibles and
   (b) any water gels or slurries that would otherwise be classified as high explosives.

   Included in the "Other High Explosives" classification are all formulations packaged in metal containers.

3. Packaged and Bulk Water Gels, Slurries, and Emulsions.—All water gels, slurries, and emulsions, packaged or in bulk, made by addition of more than 5% water to high explosives or blasting agents, except those approved as permissibles.

4. Ammonium Nitrate-Fuel Oil Blasting Agents.—Without regard to packaging or container, and having a density less than 1.0 gram per cubic centimeter (cc).

5. Unprocessed Ammonium Nitrate.—Prilled or grained ammonium nitrate for use in blasting agents.

6. Higher Strength Blasting Agents.—All ammonium nitrate-fuel oil mixtures having a density greater than 1.0 gram per cc, or mixtures sensitized by fuels other than fuel oil (e.g., nitro compounds, aluminum, emulsions).
Companies covered by this report, including IME members, are as follows:

American Cyanamid Company--Wayne, New Jersey
Angus Chemical Company--Northbrook, Illinois
Apache Powder Company--Benson, Arizona
Atlas Powder Company--Dallas, Texas
Austin Powder Company--Cleveland, Ohio
C-I-L Inc.--Willowdale, Ontario, Canada
Columbia Nitrogen Corp.--Augusta, Georgia
E. I. du Pont de Nemours & Co., Inc.--Wilmington, Delaware
Goex Inc.--Cleburne, Texas
W.R. Grace & Co. ACG--Memphis, Tennessee
Gulf Oil Chemicals Company--Houston, Texas
Hawkeye Chemical Company--Clinton, Iowa
Hercules, Inc.--Wilmington, Delaware
Independent Explosives Company of Pennsylvania--Scranton, Pennsylvania
Ireco Chemicals--Salt Lake City, Utah
Kaiser Aluminum & Chemical Corp.--Savannah, Georgia
Mining Services International--Salt Lake City, Utah
Nitrochem Energy Corp.--Allentown, Pennsylvania
Sierra Chemical Company--Reno, Nevada
Southern Explosives Corporation--Glasgow, Kentucky
Trojan Corp.--Salt Lake City, Utah
Union Oil Company of California--Los Angeles, California
USS Agri-Chemicals--Atlanta, Georgia
TABLE 1.--Salient statistics of industrial explosives and blasting agents sold for consumption in the United States, 1982-83 (Thousand pounds)

<table>
<thead>
<tr>
<th>Class</th>
<th>1982</th>
<th>1983</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permissibles</td>
<td>45,788</td>
<td>37,198</td>
</tr>
<tr>
<td>Other high explosives 1/</td>
<td>110,005</td>
<td>98,715</td>
</tr>
<tr>
<td>Water gels and slurries 1/</td>
<td>311,694</td>
<td>276,098</td>
</tr>
<tr>
<td>Ammonium nitrate-fuel oil blasting agents 1/</td>
<td>820,942</td>
<td>464,402</td>
</tr>
<tr>
<td>Unprocessed ammonium nitrate 2/</td>
<td>2,622,062</td>
<td>2,786,398</td>
</tr>
<tr>
<td>Higher strength blasting agents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3,910,491</td>
<td>3,730,252</td>
</tr>
</tbody>
</table>

1/ Some quantities of this class of explosive are included with "Unprocessed ammonium nitrate" to avoid disclosing company proprietary data.

2/ Includes some quantities of other high explosives, water gels and slurries, and ammonium nitrate-fuel oil blasting agents.
TABLE 2.—Industrial explosives and blasting agents sold for consumption in the United States, by class and use, 1982-83
(Thousand pounds)

<table>
<thead>
<tr>
<th>Class</th>
<th>Coal mining 1/</th>
<th>Metal mining 1/</th>
<th>Quarrying and nonmetal mining 1/</th>
<th>Construction work 1/</th>
<th>All other purposes 2/</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permissibles</td>
<td>43,401</td>
<td>35,181</td>
<td>287</td>
<td>311</td>
<td>1,317</td>
<td>657</td>
</tr>
<tr>
<td>Other high explosives 3/</td>
<td>19,360</td>
<td>17,964</td>
<td>13,108</td>
<td>8,861</td>
<td>29,322</td>
<td>31,833</td>
</tr>
<tr>
<td>Water gels and slurries 3/</td>
<td>104,364</td>
<td>94,578</td>
<td>90,738</td>
<td>49,699</td>
<td>80,503</td>
<td>94,261</td>
</tr>
<tr>
<td>Ammonium nitrate-fuel oil blasting agents 3/</td>
<td>621,531</td>
<td>508,714</td>
<td>21,770</td>
<td>15,437</td>
<td>112,822</td>
<td>83,402</td>
</tr>
<tr>
<td>Unprocessed ammonium nitrate 4/</td>
<td>1,480,909</td>
<td>1,625,903</td>
<td>404,481</td>
<td>404,584</td>
<td>199,389</td>
<td>242,061</td>
</tr>
<tr>
<td>Higher strength blasting agents</td>
<td>43,923</td>
<td>2,237</td>
<td>15,496</td>
<td>5,301</td>
<td>484</td>
<td>67,441</td>
</tr>
</tbody>
</table>

Total: 2,269,565 | 2,126,263 | 530,384 | 481,129 | 423,353 | 467,710 | 263,945 | 293,995 | 423,244 | 361,155 | 3,910,491 | 3,730,252

1/ Some quantities of this use are included with "All other purposes" to avoid disclosing company proprietary data.
2/ Includes some quantities from coal mining, metal mining, quarrying and nonmetal mining, and construction work.
3/ Some quantities of this class of explosive are included with "Unprocessed ammonium nitrate" to avoid disclosing company proprietary data.
4/ Includes some quantities of other high explosives, water gels and slurries, and ammonium nitrate-fuel oil blasting agents.
TABLE 3. Industrial explosives and blasting agents sold for consumption in the United States, by State and use, 1983
(Thousand pounds)

<table>
<thead>
<tr>
<th>State</th>
<th>Coal mining</th>
<th>Metal mining</th>
<th>Quarrying and nonmetal mining</th>
<th>Construction</th>
<th>All other work purposes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>197,289</td>
<td>—</td>
<td>3,590</td>
<td>36,238</td>
<td>381</td>
<td>237,498</td>
</tr>
<tr>
<td>Alaska</td>
<td>2,220</td>
<td>16,484</td>
<td>682</td>
<td>7,744</td>
<td>134</td>
<td>27,264</td>
</tr>
<tr>
<td>Arizona</td>
<td>28,223</td>
<td>46,865</td>
<td>1,551</td>
<td>533</td>
<td>102</td>
<td>77,274</td>
</tr>
<tr>
<td>Arkansas</td>
<td>47</td>
<td>5</td>
<td>11,469</td>
<td>3,871</td>
<td>183</td>
<td>15,575</td>
</tr>
<tr>
<td>California</td>
<td>13</td>
<td>128</td>
<td>8,668</td>
<td>5,235</td>
<td>195</td>
<td>14,239</td>
</tr>
<tr>
<td>Colorado</td>
<td>18,227</td>
<td>16,262</td>
<td>1,955</td>
<td>5,981</td>
<td>789</td>
<td>43,214</td>
</tr>
<tr>
<td>Connecticut</td>
<td>67</td>
<td>—</td>
<td>5,733</td>
<td>1,911</td>
<td>15</td>
<td>7,726</td>
</tr>
<tr>
<td>Delaware</td>
<td>—</td>
<td>—</td>
<td>2,144</td>
<td>—</td>
<td>11</td>
<td>2,155</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Florida</td>
<td>1,801</td>
<td>—</td>
<td>15,690</td>
<td>13,479</td>
<td>109</td>
<td>31,079</td>
</tr>
<tr>
<td>Georgia</td>
<td>754</td>
<td>—</td>
<td>14,144</td>
<td>1,449</td>
<td>31</td>
<td>16,378</td>
</tr>
<tr>
<td>Hawaii</td>
<td>—</td>
<td>—</td>
<td>891</td>
<td>521</td>
<td>3</td>
<td>1,415</td>
</tr>
<tr>
<td>Idaho</td>
<td>—</td>
<td>—</td>
<td>50,906</td>
<td>880</td>
<td>68</td>
<td>56,969</td>
</tr>
<tr>
<td>Illinois</td>
<td>19,003</td>
<td>28</td>
<td>71,633</td>
<td>4,899</td>
<td>23</td>
<td>101,861</td>
</tr>
<tr>
<td>Indiana</td>
<td>112,386</td>
<td>—</td>
<td>9,282</td>
<td>3,444</td>
<td>23</td>
<td>125,135</td>
</tr>
<tr>
<td>Iowa</td>
<td>8,132</td>
<td>—</td>
<td>18,858</td>
<td>258</td>
<td>13,710</td>
<td>40,958</td>
</tr>
<tr>
<td>Kansas</td>
<td>276</td>
<td>—</td>
<td>10,489</td>
<td>2,127</td>
<td>1,421</td>
<td>14,313</td>
</tr>
<tr>
<td>Kentucky</td>
<td>629,267</td>
<td>—</td>
<td>47,044</td>
<td>5,297</td>
<td>32,907</td>
<td>764,515</td>
</tr>
<tr>
<td>Louisiana</td>
<td>284</td>
<td>—</td>
<td>721</td>
<td>102</td>
<td>2,135</td>
<td>3,242</td>
</tr>
<tr>
<td>Maine</td>
<td>—</td>
<td>—</td>
<td>308</td>
<td>1,359</td>
<td>—</td>
<td>1,667</td>
</tr>
<tr>
<td>Maryland</td>
<td>19,849</td>
<td>—</td>
<td>6,062</td>
<td>786</td>
<td>—</td>
<td>26,697</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>—</td>
<td>—</td>
<td>3,704</td>
<td>1,898</td>
<td>—</td>
<td>5,602</td>
</tr>
<tr>
<td>Michigan</td>
<td>175</td>
<td>19,685</td>
<td>6,828</td>
<td>7,665</td>
<td>34,610</td>
<td>34,610</td>
</tr>
<tr>
<td>Minnesota</td>
<td>—</td>
<td>47,367</td>
<td>6,382</td>
<td>1,449</td>
<td>69,755</td>
<td>105,858</td>
</tr>
<tr>
<td>Mississippi</td>
<td>—</td>
<td>—</td>
<td>29</td>
<td>1,873</td>
<td>2,087</td>
<td>4,859</td>
</tr>
<tr>
<td>Missouri</td>
<td>19,930</td>
<td>3,148</td>
<td>18,205</td>
<td>5,100</td>
<td>54,626</td>
<td>54,626</td>
</tr>
<tr>
<td>Montana</td>
<td>36,836</td>
<td>86,793</td>
<td>1,303</td>
<td>4,648</td>
<td>134,111</td>
<td>134,111</td>
</tr>
<tr>
<td>Nebraska</td>
<td>—</td>
<td>42</td>
<td>—</td>
<td>1,686</td>
<td>406</td>
<td>2,134</td>
</tr>
<tr>
<td>Nevada</td>
<td>45</td>
<td>40,391</td>
<td>5,022</td>
<td>330</td>
<td>59</td>
<td>43,847</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>—</td>
<td>—</td>
<td>1,381</td>
<td>1,519</td>
<td>3,100</td>
<td>4,419</td>
</tr>
<tr>
<td>New Jersey</td>
<td>—</td>
<td>24</td>
<td>3,870</td>
<td>932</td>
<td>5,170</td>
<td>5,170</td>
</tr>
<tr>
<td>New Mexico</td>
<td>65,810</td>
<td>18,347</td>
<td>747</td>
<td>4,342</td>
<td>270</td>
<td>87,515</td>
</tr>
<tr>
<td>New York</td>
<td>15</td>
<td>522</td>
<td>6,770</td>
<td>5,439</td>
<td>207</td>
<td>12,953</td>
</tr>
<tr>
<td>North Carolina</td>
<td>5,578</td>
<td>124</td>
<td>40,921</td>
<td>2,004</td>
<td>2</td>
<td>48,629</td>
</tr>
<tr>
<td>North Dakota</td>
<td>—</td>
<td>—</td>
<td>181</td>
<td>—</td>
<td>519</td>
<td>680</td>
</tr>
<tr>
<td>Ohio</td>
<td>176,328</td>
<td>25</td>
<td>26,377</td>
<td>4,077</td>
<td>24,782</td>
<td>229,800</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>1,659</td>
<td>5,682</td>
<td>14,007</td>
<td>18,187</td>
<td>24,139</td>
<td>41,374</td>
</tr>
<tr>
<td>Oregon</td>
<td>—</td>
<td>5,163</td>
<td>5,311</td>
<td>3,703</td>
<td>375</td>
<td>14,552</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>280,289</td>
<td>150</td>
<td>31,109</td>
<td>19,858</td>
<td>349,321</td>
<td>349,321</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>—</td>
<td>80</td>
<td>—</td>
<td>418</td>
<td>—</td>
<td>498</td>
</tr>
<tr>
<td>South Carolina</td>
<td>—</td>
<td>944</td>
<td>62</td>
<td>—</td>
<td>—</td>
<td>1,006</td>
</tr>
<tr>
<td>South Dakota</td>
<td>—</td>
<td>420</td>
<td>2,008</td>
<td>208</td>
<td>3,028</td>
<td>3,028</td>
</tr>
<tr>
<td>Tennessee</td>
<td>31,205</td>
<td>2,128</td>
<td>11,247</td>
<td>14,986</td>
<td>380</td>
<td>59,946</td>
</tr>
<tr>
<td>Texas</td>
<td>5,510</td>
<td>708</td>
<td>27,813</td>
<td>19,395</td>
<td>4,194</td>
<td>57,620</td>
</tr>
<tr>
<td>Utah</td>
<td>1,824</td>
<td>45,689</td>
<td>4,012</td>
<td>6,066</td>
<td>2,283</td>
<td>59,874</td>
</tr>
<tr>
<td>Vermont</td>
<td>33</td>
<td>—</td>
<td>1,185</td>
<td>1,207</td>
<td>39</td>
<td>2,444</td>
</tr>
<tr>
<td>Virginia</td>
<td>122,607</td>
<td>—</td>
<td>8,527</td>
<td>4,775</td>
<td>152</td>
<td>136,061</td>
</tr>
<tr>
<td>Washington</td>
<td>7,939</td>
<td>3,545</td>
<td>794</td>
<td>15,668</td>
<td>20</td>
<td>27,966</td>
</tr>
<tr>
<td>West Virginia</td>
<td>179,624</td>
<td>—</td>
<td>770</td>
<td>6,889</td>
<td>5,021</td>
<td>192,405</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>—</td>
<td>—</td>
<td>2,706</td>
<td>1,349</td>
<td>1,148</td>
<td>5,203</td>
</tr>
<tr>
<td>Wyoming</td>
<td>127,366</td>
<td>68,484</td>
<td>3,209</td>
<td>1,300</td>
<td>3,245</td>
<td>203,604</td>
</tr>
<tr>
<td>Unallocated</td>
<td>2/25,642</td>
<td>2/33</td>
<td>2/1,447</td>
<td>2/</td>
<td>202,215</td>
<td>202,215</td>
</tr>
</tbody>
</table>

Total: 2,126,263 481,129 467,710 293,995 361,155 3,730,252

1/ Included with Maryland.
2/ Some undistributed quantities are included in "All other purposes" to avoid disclosing company proprietary data.
### Table 4.—Industrial explosives and blasting agents sold for consumption in the United States, by State and class, 1983  
(Thousand pounds)

<table>
<thead>
<tr>
<th>State</th>
<th>Permissibles</th>
<th>Other high explosives l/</th>
<th>Water gels and slurries l/</th>
<th>Ammonium nitrate-fuel oil blasting agents l/</th>
<th>Unprocessed 2/ ammonium nitrate</th>
<th>Higher strength blasting agents</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>2,101</td>
<td>2,142</td>
<td>4,557</td>
<td>1,308</td>
<td>227,364</td>
<td>26</td>
<td>237,498</td>
</tr>
<tr>
<td>Alaska</td>
<td>—</td>
<td>—</td>
<td>5,466</td>
<td>—</td>
<td>20,944</td>
<td>31</td>
<td>23,264</td>
</tr>
<tr>
<td>Arizona</td>
<td>—</td>
<td>666</td>
<td>5,208</td>
<td>2,971</td>
<td>68,429</td>
<td>—</td>
<td>77,274</td>
</tr>
<tr>
<td>Arkansas</td>
<td>1,190</td>
<td>2,176</td>
<td>2,103</td>
<td>10,104</td>
<td>—</td>
<td>—</td>
<td>11,109</td>
</tr>
<tr>
<td>California</td>
<td>3</td>
<td>2,028</td>
<td>4,891</td>
<td>3,333</td>
<td>3,679</td>
<td>5</td>
<td>4,139</td>
</tr>
<tr>
<td>Colorado</td>
<td>335</td>
<td>1,259</td>
<td>2,941</td>
<td>178</td>
<td>38,322</td>
<td>162</td>
<td>40,485</td>
</tr>
<tr>
<td>Connecticut</td>
<td>—</td>
<td>1,084</td>
<td>3,532</td>
<td>1,390</td>
<td>1,719</td>
<td>1</td>
<td>3,726</td>
</tr>
<tr>
<td>Delaware</td>
<td>—</td>
<td>—</td>
<td>5</td>
<td>2,166</td>
<td>5</td>
<td>2</td>
<td>2,171</td>
</tr>
<tr>
<td>District of Columbia 3/</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Florida</td>
<td>—</td>
<td>1,713</td>
<td>18,139</td>
<td>25</td>
<td>10,202</td>
<td>998</td>
<td>31,079</td>
</tr>
<tr>
<td>Georgia</td>
<td>1,675</td>
<td>7,037</td>
<td>2,059</td>
<td>4,786</td>
<td>821</td>
<td>16</td>
<td>16,378</td>
</tr>
<tr>
<td>Hawaii</td>
<td>76</td>
<td>601</td>
<td>658</td>
<td>—</td>
<td>—</td>
<td>1</td>
<td>3,455</td>
</tr>
<tr>
<td>Idaho</td>
<td>771</td>
<td>1,514</td>
<td>30</td>
<td>54,968</td>
<td>—</td>
<td>—</td>
<td>5,496</td>
</tr>
<tr>
<td>Illinois</td>
<td>172</td>
<td>3,061</td>
<td>9,807</td>
<td>2,644</td>
<td>84,853</td>
<td>1,324</td>
<td>100,587</td>
</tr>
<tr>
<td>Indiana</td>
<td>28</td>
<td>1,232</td>
<td>7,230</td>
<td>47,641</td>
<td>65,635</td>
<td>3,243</td>
<td>125,135</td>
</tr>
<tr>
<td>Iowa</td>
<td>50</td>
<td>2,234</td>
<td>7,793</td>
<td>843</td>
<td>30,038</td>
<td>—</td>
<td>40,958</td>
</tr>
<tr>
<td>Kansas</td>
<td>—</td>
<td>672</td>
<td>1,661</td>
<td>9,032</td>
<td>1,363</td>
<td>1,585</td>
<td>14,313</td>
</tr>
<tr>
<td>Kentucky</td>
<td>18,536</td>
<td>6,922</td>
<td>7,325</td>
<td>111,361</td>
<td>612,429</td>
<td>7,942</td>
<td>764,515</td>
</tr>
<tr>
<td>Louisiana</td>
<td>1,704</td>
<td>1,338</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>29,804</td>
</tr>
<tr>
<td>Maine</td>
<td>—</td>
<td>639</td>
<td>424</td>
<td>604</td>
<td>—</td>
<td>—</td>
<td>669</td>
</tr>
<tr>
<td>Maryland</td>
<td>—</td>
<td>370</td>
<td>4,438</td>
<td>1,512</td>
<td>18,934</td>
<td>1,140</td>
<td>26,971</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>738</td>
<td>1,529</td>
<td>819</td>
<td>3,170</td>
<td>—</td>
<td>82</td>
<td>5,802</td>
</tr>
<tr>
<td>Michigan</td>
<td>—</td>
<td>758</td>
<td>11,923</td>
<td>4,022</td>
<td>16,361</td>
<td>1,546</td>
<td>35,810</td>
</tr>
<tr>
<td>Minnesota</td>
<td>—</td>
<td>414</td>
<td>13,247</td>
<td>4,068</td>
<td>51,968</td>
<td>58</td>
<td>59,755</td>
</tr>
<tr>
<td>Mississippi</td>
<td>—</td>
<td>1,472</td>
<td>455</td>
<td>160</td>
<td>—</td>
<td>—</td>
<td>2,087</td>
</tr>
<tr>
<td>Missouri</td>
<td>—</td>
<td>5,978</td>
<td>3,092</td>
<td>8,933</td>
<td>35,214</td>
<td>609</td>
<td>55,626</td>
</tr>
<tr>
<td>Montana</td>
<td>1</td>
<td>3,583</td>
<td>7,919</td>
<td>361</td>
<td>122,241</td>
<td>6</td>
<td>134,111</td>
</tr>
<tr>
<td>Nebraska</td>
<td>—</td>
<td>157</td>
<td>70</td>
<td>435</td>
<td>1,420</td>
<td>52</td>
<td>1,942</td>
</tr>
<tr>
<td>Nevada</td>
<td>—</td>
<td>276</td>
<td>847</td>
<td>4,849</td>
<td>39,874</td>
<td>—</td>
<td>45,667</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>1,453</td>
<td>2,915</td>
<td>4,377</td>
<td>2,795</td>
<td>88</td>
<td>12</td>
<td>20,926</td>
</tr>
<tr>
<td>New Jersey</td>
<td>—</td>
<td>1,089</td>
<td>1,776</td>
<td>2,266</td>
<td>4</td>
<td>35</td>
<td>5,370</td>
</tr>
<tr>
<td>New Mexico</td>
<td>2,007</td>
<td>19,075</td>
<td>1,141</td>
<td>65,199</td>
<td>94</td>
<td>4</td>
<td>75,345</td>
</tr>
<tr>
<td>New York</td>
<td>2,928</td>
<td>2,914</td>
<td>4,227</td>
<td>2,795</td>
<td>88</td>
<td>12</td>
<td>20,926</td>
</tr>
<tr>
<td>North Carolina</td>
<td>1,639</td>
<td>14,649</td>
<td>4,066</td>
<td>27,902</td>
<td>593</td>
<td>6</td>
<td>34,929</td>
</tr>
<tr>
<td>North Dakota</td>
<td>—</td>
<td>657</td>
<td>23</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>680</td>
</tr>
<tr>
<td>Ohio</td>
<td>164</td>
<td>2,799</td>
<td>4,388</td>
<td>29,631</td>
<td>190,618</td>
<td>2,200</td>
<td>219,800</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>—</td>
<td>1,861</td>
<td>5,339</td>
<td>18,463</td>
<td>16,456</td>
<td>1,255</td>
<td>41,757</td>
</tr>
<tr>
<td>Oregon</td>
<td>1,771</td>
<td>779</td>
<td>2,257</td>
<td>9,725</td>
<td>20</td>
<td>14</td>
<td>54,525</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>1,148</td>
<td>7,178</td>
<td>31,454</td>
<td>37,536</td>
<td>265,212</td>
<td>6,793</td>
<td>349,312</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>—</td>
<td>232</td>
<td>266</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>498</td>
</tr>
<tr>
<td>South Carolina</td>
<td>—</td>
<td>62</td>
<td>47</td>
<td>881</td>
<td>216</td>
<td>1</td>
<td>1,006</td>
</tr>
<tr>
<td>South Dakota</td>
<td>—</td>
<td>4</td>
<td>20</td>
<td>—</td>
<td>3,004</td>
<td>—</td>
<td>3,008</td>
</tr>
<tr>
<td>Tennessee</td>
<td>1,035</td>
<td>5,767</td>
<td>3,765</td>
<td>17,398</td>
<td>20,116</td>
<td>1,865</td>
<td>59,966</td>
</tr>
<tr>
<td>Texas</td>
<td>—</td>
<td>3,381</td>
<td>3,405</td>
<td>7,715</td>
<td>40,210</td>
<td>609</td>
<td>57,620</td>
</tr>
<tr>
<td>Utah</td>
<td>165</td>
<td>3,977</td>
<td>15,203</td>
<td>632</td>
<td>38,477</td>
<td>—</td>
<td>59,974</td>
</tr>
<tr>
<td>Vermont</td>
<td>—</td>
<td>545</td>
<td>839</td>
<td>523</td>
<td>—</td>
<td>557</td>
<td>2,464</td>
</tr>
<tr>
<td>Virginia</td>
<td>9,081</td>
<td>3,932</td>
<td>2,172</td>
<td>50,682</td>
<td>67,474</td>
<td>1,720</td>
<td>136,061</td>
</tr>
<tr>
<td>Washington</td>
<td>2,448</td>
<td>1,654</td>
<td>2,199</td>
<td>23,675</td>
<td>27,966</td>
<td>—</td>
<td>55,932</td>
</tr>
<tr>
<td>West Virginia</td>
<td>4,279</td>
<td>3,039</td>
<td>1,444</td>
<td>62,104</td>
<td>139,875</td>
<td>1,663</td>
<td>192,404</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>2</td>
<td>889</td>
<td>1,068</td>
<td>88</td>
<td>2,950</td>
<td>206</td>
<td>5,906</td>
</tr>
<tr>
<td>Wyoming</td>
<td>74</td>
<td>2,730</td>
<td>31,184</td>
<td>9,694</td>
<td>157,720</td>
<td>2,202</td>
<td>202,604</td>
</tr>
<tr>
<td>Undistributed</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>202,215</td>
<td>27,122</td>
<td>229,337</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>37,198</td>
<td>98,715</td>
<td>3,730,252</td>
</tr>
</tbody>
</table>

1/ Some quantities of this class of explosives are included with "Unprocessed ammonium nitrate" to avoid disclosing company proprietary data.  
2/ Includes some quantities of other high explosives, water gels and slurries, and ammonium nitrate-fuel oil blasting agents.  
3/ Included with Maryland.
TABLE 5.—Permissible explosives sold for consumption in the United States, by State and use, 1983  
(Thousand pounds)

<table>
<thead>
<tr>
<th>Use</th>
<th>Total</th>
<th>State</th>
<th>Coal mining</th>
<th>Metal mining</th>
<th>Quarrying and nonmetal mining</th>
<th>Construction work</th>
<th>All other purposes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Alabama</td>
<td>1,712</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Alaska</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arizona</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Arkansas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>California</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Colorado</td>
<td>352</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Connecticut</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Delaware</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>District of Columbia 1/</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Florida</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Georgia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hawaii</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Idaho</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Illinois</td>
<td>105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indiana</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Iowa</td>
<td>46</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kansas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kentucky</td>
<td>18,432</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Louisiana</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maryland</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Massachusetts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Michigan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Minnesota</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mississippi</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Missouri</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Montana</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nebraska</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nevada</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Hampshire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Jersey</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New Mexico</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>North Carolina</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>North Dakota</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ohio</td>
<td>59</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oklahoma</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oregon</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pennsylvania</td>
<td>832</td>
<td>102</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rhode Island</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>South Carolina</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>South Dakota</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tennessee</td>
<td>220</td>
<td>148</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Texas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Utah</td>
<td></td>
<td>61</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vermont</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Virginia</td>
<td>9,081</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Washington</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>West Virginia</td>
<td>4,246</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wisconsin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wyoming</td>
<td>74</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total</td>
<td>35,181</td>
<td>311</td>
<td>657</td>
<td>937</td>
<td>112</td>
<td>37,198</td>
</tr>
</tbody>
</table>

1/ Included with Maryland.
### Table 6.—Other high explosives sold for consumption in the United States, by State and use, 1983 1/
(Thousand pounds)

<table>
<thead>
<tr>
<th>State</th>
<th>Coal mining</th>
<th>Metal mining</th>
<th>Quarrying and nonmetal mining</th>
<th>Construction work</th>
<th>All other purposes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>573</td>
<td>—</td>
<td>384</td>
<td>805</td>
<td>380</td>
<td>2,142</td>
</tr>
<tr>
<td>Alaska</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Arizona</td>
<td>84</td>
<td>394</td>
<td>154</td>
<td>29</td>
<td>5</td>
<td>823</td>
</tr>
<tr>
<td>Arkansas</td>
<td>14</td>
<td>5</td>
<td>487</td>
<td>501</td>
<td>183</td>
<td>1,190</td>
</tr>
<tr>
<td>California</td>
<td>13</td>
<td>72</td>
<td>353</td>
<td>1,772</td>
<td>118</td>
<td>2,328</td>
</tr>
<tr>
<td>Colorado</td>
<td>112</td>
<td>728</td>
<td>67</td>
<td>9</td>
<td>343</td>
<td>1,259</td>
</tr>
<tr>
<td>Connecticut</td>
<td>—</td>
<td>—</td>
<td>828</td>
<td>241</td>
<td>15</td>
<td>1,084</td>
</tr>
<tr>
<td>Delaware</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>—</td>
<td>—</td>
<td>765</td>
<td>870</td>
<td>80</td>
<td>1,715</td>
</tr>
<tr>
<td>Florida</td>
<td>—</td>
<td>—</td>
<td>1,605</td>
<td>23</td>
<td>31</td>
<td>1,675</td>
</tr>
<tr>
<td>Georgia</td>
<td>16</td>
<td>—</td>
<td>1</td>
<td>502</td>
<td>2,152</td>
<td>3,061</td>
</tr>
<tr>
<td>Hawaii</td>
<td>—</td>
<td>—</td>
<td>1</td>
<td>328</td>
<td>777</td>
<td>—</td>
</tr>
<tr>
<td>Idaho</td>
<td>225</td>
<td>—</td>
<td>134</td>
<td>575</td>
<td>68</td>
<td>76</td>
</tr>
<tr>
<td>Illinois</td>
<td>84</td>
<td>—</td>
<td>847</td>
<td>847</td>
<td>7</td>
<td>3,061</td>
</tr>
<tr>
<td>Indiana</td>
<td>655</td>
<td>—</td>
<td>417</td>
<td>111</td>
<td>20</td>
<td>1,203</td>
</tr>
<tr>
<td>Iowa</td>
<td>14</td>
<td>5</td>
<td>67</td>
<td>9</td>
<td>343</td>
<td>1,259</td>
</tr>
<tr>
<td>Kansas</td>
<td>8</td>
<td>5</td>
<td>67</td>
<td>191</td>
<td>1,234</td>
<td>—</td>
</tr>
<tr>
<td>Kentucky</td>
<td>1,047</td>
<td>4,060</td>
<td>1,428</td>
<td>1,472</td>
<td>1,472</td>
<td>—</td>
</tr>
<tr>
<td>Louisiana</td>
<td>16</td>
<td>—</td>
<td>16</td>
<td>515</td>
<td>1,619</td>
<td>1,704</td>
</tr>
<tr>
<td>Maine</td>
<td>—</td>
<td>—</td>
<td>147</td>
<td>492</td>
<td>1,084</td>
<td>639</td>
</tr>
<tr>
<td>Maryland</td>
<td>—</td>
<td>—</td>
<td>492</td>
<td>1,246</td>
<td>283</td>
<td>1,529</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>—</td>
<td>—</td>
<td>1,246</td>
<td>8</td>
<td>670</td>
<td>—</td>
</tr>
<tr>
<td>Michigan</td>
<td>81</td>
<td>—</td>
<td>589</td>
<td>43</td>
<td>45</td>
<td>758</td>
</tr>
<tr>
<td>Minnesota</td>
<td>—</td>
<td>44</td>
<td>309</td>
<td>21</td>
<td>40</td>
<td>414</td>
</tr>
<tr>
<td>Mississippi</td>
<td>—</td>
<td>—</td>
<td>37</td>
<td>1,428</td>
<td>1,472</td>
<td>—</td>
</tr>
<tr>
<td>Missouri</td>
<td>19</td>
<td>1,047</td>
<td>4,060</td>
<td>847</td>
<td>7</td>
<td>1,472</td>
</tr>
<tr>
<td>Montana</td>
<td>143</td>
<td>209</td>
<td>503</td>
<td>320</td>
<td>2,408</td>
<td>—</td>
</tr>
<tr>
<td>Nebraska</td>
<td>—</td>
<td>—</td>
<td>151</td>
<td>6</td>
<td>137</td>
<td>—</td>
</tr>
<tr>
<td>Nevada</td>
<td>222</td>
<td>—</td>
<td>28</td>
<td>10</td>
<td>16</td>
<td>576</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>—</td>
<td>—</td>
<td>903</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>New Jersey</td>
<td>—</td>
<td>—</td>
<td>903</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>New Mexico</td>
<td>266</td>
<td>1,112</td>
<td>30</td>
<td>402</td>
<td>197</td>
<td>2,267</td>
</tr>
<tr>
<td>New York</td>
<td>522</td>
<td>—</td>
<td>566</td>
<td>320</td>
<td>1,638</td>
<td>2,928</td>
</tr>
<tr>
<td>North Carolina</td>
<td>613</td>
<td>—</td>
<td>679</td>
<td>347</td>
<td>—</td>
<td>1,639</td>
</tr>
<tr>
<td>North Dakota</td>
<td>—</td>
<td>—</td>
<td>158</td>
<td>—</td>
<td>499</td>
<td>657</td>
</tr>
<tr>
<td>Ohio</td>
<td>742</td>
<td>—</td>
<td>1,754</td>
<td>237</td>
<td>66</td>
<td>2,799</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>37</td>
<td>—</td>
<td>109</td>
<td>7</td>
<td>1,638</td>
<td>1,861</td>
</tr>
<tr>
<td>Oregon</td>
<td>—</td>
<td>—</td>
<td>1,053</td>
<td>7</td>
<td>1,771</td>
<td>—</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>3,094</td>
<td>10</td>
<td>2,508</td>
<td>1,477</td>
<td>69</td>
<td>7,176</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>—</td>
<td>—</td>
<td>1,053</td>
<td>302</td>
<td>—</td>
<td>2,267</td>
</tr>
<tr>
<td>South Carolina</td>
<td>—</td>
<td>—</td>
<td>1,053</td>
<td>302</td>
<td>—</td>
<td>2,267</td>
</tr>
<tr>
<td>South Dakota</td>
<td>—</td>
<td>—</td>
<td>1,053</td>
<td>302</td>
<td>—</td>
<td>2,267</td>
</tr>
<tr>
<td>Tennessee</td>
<td>467</td>
<td>1,112</td>
<td>2,267</td>
<td>1,477</td>
<td>69</td>
<td>7,176</td>
</tr>
<tr>
<td>Texas</td>
<td>8</td>
<td>93</td>
<td>336</td>
<td>1,838</td>
<td>3,106</td>
<td>5,381</td>
</tr>
<tr>
<td>Utah</td>
<td>363</td>
<td>3,045</td>
<td>—</td>
<td>397</td>
<td>1,592</td>
<td>5,397</td>
</tr>
<tr>
<td>Vermont</td>
<td>8</td>
<td>160</td>
<td>377</td>
<td>—</td>
<td>—</td>
<td>565</td>
</tr>
<tr>
<td>Virginia</td>
<td>1,247</td>
<td>—</td>
<td>2,334</td>
<td>250</td>
<td>1</td>
<td>3,832</td>
</tr>
<tr>
<td>Washington</td>
<td>138</td>
<td>353</td>
<td>168</td>
<td>1,752</td>
<td>17</td>
<td>2,448</td>
</tr>
<tr>
<td>West Virginia</td>
<td>2,788</td>
<td>—</td>
<td>37</td>
<td>213</td>
<td>1</td>
<td>3,039</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>—</td>
<td>—</td>
<td>63</td>
<td>826</td>
<td>—</td>
<td>889</td>
</tr>
<tr>
<td>Wyoming</td>
<td>725</td>
<td>115</td>
<td>23</td>
<td>33</td>
<td>1,834</td>
<td>2,730</td>
</tr>
</tbody>
</table>

| Total               | 17,964      | 8,861        | 31,833                         | 17,351            | 98,715           |

---

1/ Some quantities of other high explosives are included with "Unprocessed ammonium nitrate" to avoid disclosing company proprietary data.

2/ Included with Maryland.
Table 7.—Packaged and bulk water gels, slurries, and emulsions sold for consumption in the United States, by State and use, 1983.  
(Thousand pounds)

<table>
<thead>
<tr>
<th>State</th>
<th>Coal mining</th>
<th>Metal mining</th>
<th>Quarrying and nonmetal mining</th>
<th>Construction work</th>
<th>All other purposes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>2,429</td>
<td>--</td>
<td>1,116</td>
<td>1,011</td>
<td>1</td>
<td>4,557</td>
</tr>
<tr>
<td>Alaska</td>
<td>--</td>
<td>88</td>
<td>182</td>
<td>5,196</td>
<td>--</td>
<td>5,466</td>
</tr>
<tr>
<td>Arizona</td>
<td>320</td>
<td>4,859</td>
<td>7</td>
<td>4</td>
<td>18</td>
<td>5,208</td>
</tr>
<tr>
<td>Arkansas</td>
<td>1</td>
<td>--</td>
<td>1,606</td>
<td>571</td>
<td>--</td>
<td>2,178</td>
</tr>
<tr>
<td>California</td>
<td>--</td>
<td>3</td>
<td>3,798</td>
<td>1,046</td>
<td>44</td>
<td>4,891</td>
</tr>
<tr>
<td>Colorado</td>
<td>1,203</td>
<td>861</td>
<td>499</td>
<td>132</td>
<td>246</td>
<td>2,941</td>
</tr>
<tr>
<td>Connecticut</td>
<td>67</td>
<td>--</td>
<td>2,535</td>
<td>930</td>
<td>--</td>
<td>3,332</td>
</tr>
<tr>
<td>Delaware</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Florida</td>
<td>--</td>
<td>--</td>
<td>14,766</td>
<td>3,344</td>
<td>29</td>
<td>18,139</td>
</tr>
<tr>
<td>Georgia</td>
<td>738</td>
<td>--</td>
<td>4,988</td>
<td>1,311</td>
<td>--</td>
<td>7,037</td>
</tr>
<tr>
<td>Hawaii</td>
<td>--</td>
<td>--</td>
<td>537</td>
<td>141</td>
<td>3</td>
<td>681</td>
</tr>
<tr>
<td>Idaho</td>
<td>--</td>
<td>1,467</td>
<td>19</td>
<td>28</td>
<td>--</td>
<td>1,514</td>
</tr>
<tr>
<td>Illinois</td>
<td>3,964</td>
<td>--</td>
<td>5,042</td>
<td>623</td>
<td>11</td>
<td>9,807</td>
</tr>
<tr>
<td>Indiana</td>
<td>4,359</td>
<td>--</td>
<td>2,292</td>
<td>576</td>
<td>3</td>
<td>7,230</td>
</tr>
<tr>
<td>Iowa</td>
<td>228</td>
<td>--</td>
<td>7,466</td>
<td>99</td>
<td>--</td>
<td>7,730</td>
</tr>
<tr>
<td>Kansas</td>
<td>--</td>
<td>1,237</td>
<td>315</td>
<td>19</td>
<td>--</td>
<td>1,461</td>
</tr>
<tr>
<td>Kentucky</td>
<td>5,112</td>
<td>--</td>
<td>1,722</td>
<td>491</td>
<td>--</td>
<td>7,325</td>
</tr>
<tr>
<td>Louisiana</td>
<td>284</td>
<td>--</td>
<td>652</td>
<td>86</td>
<td>516</td>
<td>1,338</td>
</tr>
<tr>
<td>Maine</td>
<td>--</td>
<td>78</td>
<td>346</td>
<td>--</td>
<td>--</td>
<td>424</td>
</tr>
<tr>
<td>Maryland</td>
<td>1,086</td>
<td>--</td>
<td>2,593</td>
<td>359</td>
<td>--</td>
<td>4,438</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>--</td>
<td>243</td>
<td>576</td>
<td>--</td>
<td>--</td>
<td>819</td>
</tr>
<tr>
<td>Michigan</td>
<td>--</td>
<td>11,154</td>
<td>730</td>
<td>39</td>
<td>--</td>
<td>11,923</td>
</tr>
<tr>
<td>Minnesota</td>
<td>--</td>
<td>11,597</td>
<td>1,350</td>
<td>100</td>
<td>--</td>
<td>13,247</td>
</tr>
<tr>
<td>Mississippi</td>
<td>--</td>
<td>--</td>
<td>2</td>
<td>6</td>
<td>447</td>
<td>455</td>
</tr>
<tr>
<td>Missouri</td>
<td>4</td>
<td>355</td>
<td>2,393</td>
<td>1,122</td>
<td>18</td>
<td>3,892</td>
</tr>
<tr>
<td>Montana</td>
<td>4,744</td>
<td>--</td>
<td>--</td>
<td>2,110</td>
<td>1,005</td>
<td>7,919</td>
</tr>
<tr>
<td>Nebraska</td>
<td>--</td>
<td>--</td>
<td>70</td>
<td>--</td>
<td>--</td>
<td>70</td>
</tr>
<tr>
<td>Nevada</td>
<td>--</td>
<td>431</td>
<td>348</td>
<td>49</td>
<td>19</td>
<td>847</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>--</td>
<td>--</td>
<td>26</td>
<td>236</td>
<td>--</td>
<td>262</td>
</tr>
<tr>
<td>New Jersey</td>
<td>--</td>
<td>24</td>
<td>1,551</td>
<td>201</td>
<td>--</td>
<td>1,776</td>
</tr>
<tr>
<td>New Mexico</td>
<td>16,124</td>
<td>2,578</td>
<td>9</td>
<td>155</td>
<td>--</td>
<td>19,075</td>
</tr>
<tr>
<td>New York</td>
<td>14</td>
<td>--</td>
<td>1,460</td>
<td>1,300</td>
<td>--</td>
<td>2,764</td>
</tr>
<tr>
<td>North Carolina</td>
<td>--</td>
<td>124</td>
<td>13,760</td>
<td>363</td>
<td>2</td>
<td>14,449</td>
</tr>
<tr>
<td>North Dakota</td>
<td>--</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>20</td>
<td>23</td>
</tr>
<tr>
<td>Ohio</td>
<td>694</td>
<td>--</td>
<td>3,288</td>
<td>403</td>
<td>3</td>
<td>4,388</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>217</td>
<td>--</td>
<td>2,286</td>
<td>999</td>
<td>37</td>
<td>3,539</td>
</tr>
<tr>
<td>Oregon</td>
<td>--</td>
<td>34</td>
<td>109</td>
<td>634</td>
<td>2</td>
<td>779</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>21,371</td>
<td>38</td>
<td>7,746</td>
<td>2,299</td>
<td>--</td>
<td>31,454</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>South Carolina</td>
<td>--</td>
<td>--</td>
<td>44</td>
<td>--</td>
<td>3</td>
<td>47</td>
</tr>
<tr>
<td>South Dakota</td>
<td>--</td>
<td>--</td>
<td>20</td>
<td>--</td>
<td>--</td>
<td>20</td>
</tr>
<tr>
<td>Tennessee</td>
<td>530</td>
<td>841</td>
<td>1,679</td>
<td>715</td>
<td>--</td>
<td>3,765</td>
</tr>
<tr>
<td>Texas</td>
<td>--</td>
<td>--</td>
<td>1,425</td>
<td>1,804</td>
<td>176</td>
<td>3,405</td>
</tr>
<tr>
<td>Utah</td>
<td>29</td>
<td>13,931</td>
<td>--</td>
<td>656</td>
<td>587</td>
<td>15,203</td>
</tr>
<tr>
<td>Vermont</td>
<td>--</td>
<td>814</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>839</td>
</tr>
<tr>
<td>Virginia</td>
<td>998</td>
<td>--</td>
<td>2,037</td>
<td>237</td>
<td>--</td>
<td>2,272</td>
</tr>
<tr>
<td>Washington</td>
<td>--</td>
<td>102</td>
<td>1,450</td>
<td>1,450</td>
<td>--</td>
<td>2,896</td>
</tr>
<tr>
<td>West Virginia</td>
<td>895</td>
<td>--</td>
<td>192</td>
<td>345</td>
<td>12</td>
<td>1,444</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>--</td>
<td>686</td>
<td>382</td>
<td>--</td>
<td>1</td>
<td>1,068</td>
</tr>
<tr>
<td>Wyoming</td>
<td>29,162</td>
<td>1,003</td>
<td>31</td>
<td>4</td>
<td>984</td>
<td>31,184</td>
</tr>
</tbody>
</table>

Total: 94,578 49,699 94,261 33,292 4,268 276,098

1/ Some quantities of packaged and bulk water gels, slurries, and emulsions are included with "Unprocessed ammonium nitrate to avoid disclosing company proprietary data.
2/ Included with Maryland.
### Table 8

Ammonium nitrate-fuel oil blasting agents sold for consumption in the United States, by State and use, 1983

(Thousand pounds)

<table>
<thead>
<tr>
<th>State</th>
<th>Coal mining</th>
<th>Metal mining</th>
<th>Quarring and quarrying</th>
<th>Construction work</th>
<th>All other purposes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>1,042</td>
<td></td>
<td>150</td>
<td>116</td>
<td></td>
<td>1,308</td>
</tr>
<tr>
<td>Alaska</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arizona</td>
<td></td>
<td>2,523</td>
<td>350</td>
<td>88</td>
<td>10</td>
<td>2,971</td>
</tr>
<tr>
<td>Arkansas</td>
<td>32</td>
<td></td>
<td>1,269</td>
<td>802</td>
<td></td>
<td>2,363</td>
</tr>
<tr>
<td>California</td>
<td></td>
<td></td>
<td>1,497</td>
<td>1,750</td>
<td>33</td>
<td>3,333</td>
</tr>
<tr>
<td>Colorado</td>
<td>163</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
<td>178</td>
</tr>
<tr>
<td>Connecticut</td>
<td></td>
<td></td>
<td>965</td>
<td>425</td>
<td></td>
<td>1,390</td>
</tr>
<tr>
<td>Delaware</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>District of Columbia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida</td>
<td></td>
<td></td>
<td>3</td>
<td>22</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>Georgia</td>
<td></td>
<td></td>
<td>2,000</td>
<td>59</td>
<td></td>
<td>2,059</td>
</tr>
<tr>
<td>Hawaii</td>
<td></td>
<td></td>
<td>353</td>
<td>305</td>
<td></td>
<td>658</td>
</tr>
<tr>
<td>Idaho</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Illinois</td>
<td>820</td>
<td></td>
<td>1,824</td>
<td></td>
<td></td>
<td>2,644</td>
</tr>
<tr>
<td>Indiana</td>
<td>39,643</td>
<td></td>
<td>5,472</td>
<td>2,526</td>
<td>47,641</td>
<td></td>
</tr>
<tr>
<td>Iowa</td>
<td></td>
<td></td>
<td>843</td>
<td></td>
<td></td>
<td>843</td>
</tr>
<tr>
<td>Kansas</td>
<td></td>
<td></td>
<td>7,229</td>
<td>1,803</td>
<td></td>
<td>9,032</td>
</tr>
<tr>
<td>Kentucky</td>
<td>86,638</td>
<td></td>
<td>8,100</td>
<td>16,623</td>
<td></td>
<td>111,361</td>
</tr>
<tr>
<td>Louisiana</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maine</td>
<td></td>
<td></td>
<td>83</td>
<td>521</td>
<td></td>
<td>604</td>
</tr>
<tr>
<td>Maryland</td>
<td>330</td>
<td></td>
<td>1,174</td>
<td></td>
<td></td>
<td>1,512</td>
</tr>
<tr>
<td>Massachusetts</td>
<td></td>
<td></td>
<td>2,201</td>
<td>969</td>
<td></td>
<td>3,170</td>
</tr>
<tr>
<td>Michigan</td>
<td>10</td>
<td></td>
<td>3,968</td>
<td>44</td>
<td></td>
<td>4,022</td>
</tr>
<tr>
<td>Minnesota</td>
<td></td>
<td></td>
<td>3,653</td>
<td>415</td>
<td></td>
<td>4,068</td>
</tr>
<tr>
<td>Mississippi</td>
<td></td>
<td></td>
<td></td>
<td>140</td>
<td></td>
<td>160</td>
</tr>
<tr>
<td>Missouri</td>
<td>600</td>
<td></td>
<td>6,518</td>
<td>1,737</td>
<td>78</td>
<td>8,333</td>
</tr>
<tr>
<td>Montana</td>
<td>360</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>361</td>
</tr>
<tr>
<td>Nebraska</td>
<td></td>
<td></td>
<td></td>
<td>435</td>
<td></td>
<td>435</td>
</tr>
<tr>
<td>Nevada</td>
<td>45</td>
<td>1,702</td>
<td>2,808</td>
<td>270</td>
<td>24</td>
<td>4,849</td>
</tr>
<tr>
<td>New Hampshire</td>
<td></td>
<td></td>
<td></td>
<td>652</td>
<td>516</td>
<td>1,168</td>
</tr>
<tr>
<td>New Jersey</td>
<td></td>
<td></td>
<td></td>
<td>1,485</td>
<td>563</td>
<td>2,048</td>
</tr>
<tr>
<td>New Mexico</td>
<td>239</td>
<td>147</td>
<td>519</td>
<td>224</td>
<td>12</td>
<td>1,141</td>
</tr>
<tr>
<td>New York</td>
<td></td>
<td></td>
<td>2,120</td>
<td>2,102</td>
<td>5</td>
<td>4,227</td>
</tr>
<tr>
<td>North Carolina</td>
<td></td>
<td></td>
<td></td>
<td>3,450</td>
<td>596</td>
<td>4,046</td>
</tr>
<tr>
<td>North Dakota</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ohio</td>
<td>27,046</td>
<td>10</td>
<td>2,194</td>
<td>379</td>
<td></td>
<td>29,631</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>1,269</td>
<td>5,682</td>
<td>4,158</td>
<td>7,311</td>
<td>43</td>
<td>18,463</td>
</tr>
<tr>
<td>Oregon</td>
<td></td>
<td></td>
<td>1,549</td>
<td>606</td>
<td>102</td>
<td>2,257</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>26,163</td>
<td></td>
<td>8,232</td>
<td>2,075</td>
<td>1,066</td>
<td>37,356</td>
</tr>
<tr>
<td>Rhode Island</td>
<td></td>
<td></td>
<td>49</td>
<td>217</td>
<td></td>
<td>266</td>
</tr>
<tr>
<td>South Carolina</td>
<td></td>
<td></td>
<td></td>
<td>662</td>
<td>19</td>
<td>881</td>
</tr>
<tr>
<td>South Dakota</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tennessee</td>
<td>8,790</td>
<td></td>
<td>3,664</td>
<td>4,944</td>
<td></td>
<td>17,398</td>
</tr>
<tr>
<td>Texas</td>
<td>77</td>
<td>615</td>
<td>4,284</td>
<td>2,411</td>
<td>328</td>
<td>7,715</td>
</tr>
<tr>
<td>Utah</td>
<td></td>
<td>632</td>
<td></td>
<td></td>
<td></td>
<td>632</td>
</tr>
<tr>
<td>Vermont</td>
<td>25</td>
<td></td>
<td>197</td>
<td>301</td>
<td></td>
<td>523</td>
</tr>
<tr>
<td>Virginia</td>
<td>46,843</td>
<td></td>
<td>2,120</td>
<td>1,719</td>
<td></td>
<td>50,662</td>
</tr>
<tr>
<td>Washington</td>
<td></td>
<td></td>
<td>124</td>
<td>62</td>
<td>3</td>
<td>189</td>
</tr>
<tr>
<td>West Virginia</td>
<td></td>
<td></td>
<td>529</td>
<td>1,828</td>
<td></td>
<td>62,104</td>
</tr>
<tr>
<td>Wisconsin</td>
<td></td>
<td></td>
<td>88</td>
<td></td>
<td></td>
<td>88</td>
</tr>
<tr>
<td>Wyoming</td>
<td>8,830</td>
<td>390</td>
<td>84</td>
<td>384</td>
<td>6</td>
<td>9,694</td>
</tr>
</tbody>
</table>

Total: 308,714 15,437 83,402 54,916 1,933 464,402

1/ Some quantities of ammonium nitrate-fuel oil blasting agents are included with "Unprocessed ammonium nitrate" to avoid disclosing company proprietary data.

2/ Included with Maryland.
<table>
<thead>
<tr>
<th>State</th>
<th>Coal mining</th>
<th>Metal mining</th>
<th>Quarrying and nonmetal mining</th>
<th>Construction work</th>
<th>All other purposes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>191,507</td>
<td>--</td>
<td>1,873</td>
<td>33,984</td>
<td>--</td>
<td>227,364</td>
</tr>
<tr>
<td>Alaska</td>
<td>2,220</td>
<td>16,396</td>
<td>500</td>
<td>1,828</td>
<td>--</td>
<td>20,944</td>
</tr>
<tr>
<td>Arizona</td>
<td>27,819</td>
<td>39,089</td>
<td>1,040</td>
<td>412</td>
<td>69</td>
<td>68,429</td>
</tr>
<tr>
<td>Arkansas</td>
<td>--</td>
<td>--</td>
<td>8,107</td>
<td>1,997</td>
<td>--</td>
<td>10,104</td>
</tr>
<tr>
<td>California</td>
<td>--</td>
<td>--</td>
<td>3,017</td>
<td>662</td>
<td>--</td>
<td>3,679</td>
</tr>
<tr>
<td>Colorado</td>
<td>16,397</td>
<td>14,561</td>
<td>1,387</td>
<td>5,777</td>
<td>200</td>
<td>38,322</td>
</tr>
<tr>
<td>Connecticut</td>
<td>--</td>
<td>--</td>
<td>1,405</td>
<td>314</td>
<td>--</td>
<td>1,719</td>
</tr>
<tr>
<td>Delaware</td>
<td>--</td>
<td>--</td>
<td>2,144</td>
<td>--</td>
<td>--</td>
<td>2,144</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Florida</td>
<td>1,801</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>10,202</td>
</tr>
<tr>
<td>Georgia</td>
<td>--</td>
<td>--</td>
<td>4,785</td>
<td>--</td>
<td>--</td>
<td>4,786</td>
</tr>
<tr>
<td>Hawaii</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Idaho</td>
<td>--</td>
<td>49,275</td>
<td>5,096</td>
<td>277</td>
<td>--</td>
<td>54,648</td>
</tr>
<tr>
<td>Illinois</td>
<td>13,125</td>
<td>8</td>
<td>61,721</td>
<td>3,719</td>
<td>6,280</td>
<td>84,853</td>
</tr>
<tr>
<td>Indiana</td>
<td>65,633</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>65,633</td>
</tr>
<tr>
<td>Iowa</td>
<td>7,850</td>
<td>--</td>
<td>8,515</td>
<td>157</td>
<td>13,516</td>
<td>30,038</td>
</tr>
<tr>
<td>Kansas</td>
<td>--</td>
<td>184</td>
<td>--</td>
<td>184</td>
<td>--</td>
<td>1,363</td>
</tr>
<tr>
<td>Kentucky</td>
<td>508,086</td>
<td>--</td>
<td>35,133</td>
<td>36,772</td>
<td>32,438</td>
<td>612,429</td>
</tr>
<tr>
<td>Louisiana</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Maine</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Maryland</td>
<td>18,393</td>
<td>--</td>
<td>151</td>
<td>390</td>
<td>--</td>
<td>18,934</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Michigan</td>
<td>--</td>
<td>8,531</td>
<td>79</td>
<td>131</td>
<td>7,620</td>
<td>16,361</td>
</tr>
<tr>
<td>Minnesota</td>
<td>--</td>
<td>32,021</td>
<td>4,102</td>
<td>279</td>
<td>15,566</td>
<td>51,968</td>
</tr>
<tr>
<td>Mississippi</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Missouri</td>
<td>19,307</td>
<td>1,746</td>
<td>4,691</td>
<td>4,486</td>
<td>4,984</td>
<td>35,214</td>
</tr>
<tr>
<td>Montana</td>
<td>31,589</td>
<td>86,384</td>
<td>800</td>
<td>2,100</td>
<td>1,168</td>
<td>122,241</td>
</tr>
<tr>
<td>Nebraska</td>
<td>--</td>
<td>--</td>
<td>1,020</td>
<td>400</td>
<td>--</td>
<td>1,420</td>
</tr>
<tr>
<td>Nevada</td>
<td>--</td>
<td>38,036</td>
<td>1,838</td>
<td>--</td>
<td>--</td>
<td>39,874</td>
</tr>
<tr>
<td>New Hampshire</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>New Jersey</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>4</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>New Mexico</td>
<td>47,181</td>
<td>14,501</td>
<td>198</td>
<td>3,467</td>
<td>61</td>
<td>65,199</td>
</tr>
<tr>
<td>New York</td>
<td>--</td>
<td>--</td>
<td>2,396</td>
<td>199</td>
<td>--</td>
<td>2,795</td>
</tr>
<tr>
<td>North Carolina</td>
<td>4,656</td>
<td>--</td>
<td>22,570</td>
<td>367</td>
<td>--</td>
<td>27,902</td>
</tr>
<tr>
<td>North Dakota</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Ohio</td>
<td>148,270</td>
<td>5</td>
<td>14,567</td>
<td>3,043</td>
<td>24,713</td>
<td>190,618</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>--</td>
<td>--</td>
<td>7,171</td>
<td>9,285</td>
<td>--</td>
<td>16,466</td>
</tr>
<tr>
<td>Oregon</td>
<td>--</td>
<td>5,129</td>
<td>2,600</td>
<td>1,800</td>
<td>196</td>
<td>9,725</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>224,907</td>
<td>--</td>
<td>9,874</td>
<td>11,743</td>
<td>18,688</td>
<td>265,212</td>
</tr>
<tr>
<td>Rhode Island</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>South Carolina</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>South Dakota</td>
<td>--</td>
<td>2,400</td>
<td>400</td>
<td>--</td>
<td>204</td>
<td>3,004</td>
</tr>
<tr>
<td>Tennessee</td>
<td>20,238</td>
<td>403</td>
<td>3,151</td>
<td>5,944</td>
<td>380</td>
<td>30,116</td>
</tr>
<tr>
<td>Texas</td>
<td>5,425</td>
<td>--</td>
<td>21,392</td>
<td>12,909</td>
<td>584</td>
<td>40,310</td>
</tr>
<tr>
<td>Utah</td>
<td>1,432</td>
<td>28,020</td>
<td>4,012</td>
<td>5,013</td>
<td>--</td>
<td>38,477</td>
</tr>
<tr>
<td>Vermont</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Virginia</td>
<td>63,034</td>
<td>--</td>
<td>1,737</td>
<td>2,552</td>
<td>151</td>
<td>67,474</td>
</tr>
<tr>
<td>Washington</td>
<td>7,781</td>
<td>3,090</td>
<td>12,404</td>
<td>22,675</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>West Virginia</td>
<td>110,326</td>
<td>--</td>
<td>4,541</td>
<td>5,008</td>
<td>196</td>
<td>119,875</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>--</td>
<td>--</td>
<td>1,743</td>
<td>59</td>
<td>1,148</td>
<td>2,950</td>
</tr>
<tr>
<td>Wyoming</td>
<td>88,429</td>
<td>64,989</td>
<td>3,071</td>
<td>810</td>
<td>421</td>
<td>157,720</td>
</tr>
</tbody>
</table>

Total: 1,625,903 404,584 242,061 176,843 337,007 2,786,398

1/ Includes some quantities of other high explosives, packaged and bulk water gels, slurries, and emulsions, and ammonium nitrate-fuel oil blasting agents.
2/ Included with Maryland.
3/ Quantities undistributed to avoid disclosing company proprietary data.
4/ Undistributed quantity for this use is included with undistributed "All other purposes."
Table 10.—Higher strength blasting agents sold for consumption in the United States, by State and use, 1983 (Thousand pounds)

<table>
<thead>
<tr>
<th>State</th>
<th>Coal mining</th>
<th>Metal mining</th>
<th>Quarrying and nonmetal mining</th>
<th>Construction work</th>
<th>All other uses</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>26</td>
</tr>
<tr>
<td>Alaska</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>31</td>
</tr>
<tr>
<td>Arizona</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Arkansas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>California</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Colorado</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Connecticut</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Delaware</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>District of Columbia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Florida</td>
<td></td>
<td>156</td>
<td></td>
<td></td>
<td></td>
<td>998</td>
</tr>
<tr>
<td>Georgia</td>
<td></td>
<td>766</td>
<td></td>
<td></td>
<td></td>
<td>821</td>
</tr>
<tr>
<td>Hawaii</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Idaho</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Illinois</td>
<td>482</td>
<td>696</td>
<td>146</td>
<td></td>
<td></td>
<td>1,324</td>
</tr>
<tr>
<td>Indiana</td>
<td>2,075</td>
<td>1,092</td>
<td>231</td>
<td></td>
<td></td>
<td>3,398</td>
</tr>
<tr>
<td>Iowa</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Kansas</td>
<td></td>
<td></td>
<td></td>
<td>84</td>
<td></td>
<td>1,585</td>
</tr>
<tr>
<td>Kentucky</td>
<td>5,892</td>
<td>1,163</td>
<td>883</td>
<td>4</td>
<td></td>
<td>7,942</td>
</tr>
<tr>
<td>Louisiana</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>Maine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Maryland</td>
<td>7</td>
<td></td>
<td>21</td>
<td></td>
<td></td>
<td>1,140</td>
</tr>
<tr>
<td>Massachusetts</td>
<td></td>
<td>12</td>
<td></td>
<td>70</td>
<td></td>
<td>82</td>
</tr>
<tr>
<td>Michigan</td>
<td>84</td>
<td>1,462</td>
<td></td>
<td></td>
<td></td>
<td>1,546</td>
</tr>
<tr>
<td>Minnesota</td>
<td></td>
<td>52</td>
<td>6</td>
<td></td>
<td></td>
<td>58</td>
</tr>
<tr>
<td>Mississippi</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Missouri</td>
<td></td>
<td></td>
<td></td>
<td>543</td>
<td>15</td>
<td>609</td>
</tr>
<tr>
<td>Montana</td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Nebraska</td>
<td>42</td>
<td></td>
<td></td>
<td>10</td>
<td></td>
<td>52</td>
</tr>
<tr>
<td>Nevada</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>New Hampshire</td>
<td></td>
<td></td>
<td></td>
<td>217</td>
<td></td>
<td>217</td>
</tr>
<tr>
<td>New Jersey</td>
<td></td>
<td>35</td>
<td></td>
<td></td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>New Mexico</td>
<td></td>
<td>35</td>
<td></td>
<td></td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>New York</td>
<td></td>
<td>88</td>
<td></td>
<td></td>
<td></td>
<td>88</td>
</tr>
<tr>
<td>North Carolina</td>
<td>462</td>
<td></td>
<td>131</td>
<td></td>
<td></td>
<td>593</td>
</tr>
<tr>
<td>North Dakota</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Ohio</td>
<td>1,525</td>
<td>11</td>
<td>649</td>
<td>15</td>
<td></td>
<td>2,200</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>136</td>
<td></td>
<td>283</td>
<td>515</td>
<td>321</td>
<td>1,255</td>
</tr>
<tr>
<td>Oregon</td>
<td></td>
<td></td>
<td></td>
<td>20</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>3,922</td>
<td></td>
<td>2,645</td>
<td>211</td>
<td>15</td>
<td>6,793</td>
</tr>
<tr>
<td>Rhode Island</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>South Carolina</td>
<td></td>
<td>216</td>
<td></td>
<td></td>
<td></td>
<td>216</td>
</tr>
<tr>
<td>South Dakota</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Tennessee</td>
<td>960</td>
<td></td>
<td>342</td>
<td>563</td>
<td></td>
<td>1,865</td>
</tr>
<tr>
<td>Texas</td>
<td></td>
<td>376</td>
<td>433</td>
<td></td>
<td></td>
<td>809</td>
</tr>
<tr>
<td>Utah</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Vermont</td>
<td></td>
<td>14</td>
<td>504</td>
<td>39</td>
<td></td>
<td>557</td>
</tr>
<tr>
<td>Virginia</td>
<td>1,404</td>
<td></td>
<td>299</td>
<td>17</td>
<td></td>
<td>1,720</td>
</tr>
<tr>
<td>Washington</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>West Virginia</td>
<td>1,622</td>
<td></td>
<td>12</td>
<td>29</td>
<td></td>
<td>1,663</td>
</tr>
<tr>
<td>Wisconsin</td>
<td></td>
<td>126</td>
<td>80</td>
<td></td>
<td></td>
<td>206</td>
</tr>
<tr>
<td>Wyoming</td>
<td>146</td>
<td>1,987</td>
<td>69</td>
<td></td>
<td></td>
<td>2,202</td>
</tr>
<tr>
<td>Unallocated</td>
<td>25,642</td>
<td>33</td>
<td>1,447</td>
<td></td>
<td></td>
<td>27,122</td>
</tr>
</tbody>
</table>

| Total               | 43,923      | 2,237        | 15,496                         | 5,301             | 484           | 67,441    |

---
1/ Included with Maryland.
2/ Some quantities unallocated to avoid disclosing company proprietary data.