

Element	Jährlicher Ausstoß (t)	Discounted PEA (t)	Heutiger Preis (t)	Einnahmen
Neodym	2.872	57.000	50.000	143 Mio \$
Europium	96	678.750	300.000	28,8 Mio \$
Terbium	26	735.000	650.000	16,9 Mio \$
Dysprosium	106	600.000	280.000	29,7 Mio \$
Yttrium	440	21.000	8.500	3,8 Mio \$
Lanthan	4.144	11.250	3.200	13,3 Mio \$
Cer	7.717	7.500	3.000	23,1 Mio \$
Praseodym	820	57.000	70.000	57,4 Mio \$
Samarium	395	9.000	3.500	1,4 Mio \$
Gadolinium	236	33.750	18.000	4,3 Mio \$
				312 Mio \$

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Datei Bearbeiten Anzeigen Fenster Hilfe

Öffnen Erstellen 15 / 29 70,9% Werkzeuge Ausfüllen und Unterschreiben Kommentar

Near-term Supply of Critical REE Oxides

Annual estimated production of high-demand and high-value critical REE oxides:

Rare earths under critical demand

Sc	Y	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
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Neodymium Oxide
• 2,872t per year
• Mainly used to make magnets for electric motors and consumer electronics



Europium Oxide
• 96t per year
• Mainly used to make phosphors for display screens and energy efficient lighting



Terbium Oxide
• 26t per year
• Mainly used to make phosphors for display screens and energy efficient lighting, as well as magnets



Dysprosium Oxide
• 106t per year
• Mainly used to make magnets for electric motors



Yttrium Oxide
• 440t per year
• Mainly used to make phosphors for display screens and energy efficient lighting

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Other Key REE Oxides

Annual estimated production of other key REE oxides:

Sc	Y	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
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Lanthanum Oxide
• 4,144t per year
• Mainly used in fluid cracking catalysts (FCCs) for oil refinement



Cerium Oxide
• 7,717t per year
• Mainly used to make polishing powder for electronic components



Praseodymium Oxide
• 820t per year
• Mainly used to make magnets



Samarium Oxide
• 395t per year
• Mainly used to make magnets



Gadolinium Oxide
• 236t per year
• Mainly used in medical industry as a contrast agent

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254,0 x 190,5 mm